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OM nucleic - nucleic search, using sw model

Run on: May 30, 2003, 11:31:08 ; Search time 159 seconds
(Without alignments)
7641.845 Million cell updates/sec

Title: US-08-153-397A-1

Sequence: 3962 1 CCGGCGCTGAGACTGGGCTGA.....AAAAAAAAAACCGGATTC 3962

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapeft 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries:

Database: Issued_Patents_NA:*

- 1: /cgn2_6/prodata/1/lna/5A.COMB.seq:**
- 2: /cgn2_6/prodata/1/lna/5B.COMB.seq:**
- 3: /cgn2_6/prodata/1/lna/6A.COMB.seq:**
- 4: /cgn2_6/prodata/1/lna/6B.COMB.seq:**
- 5: /cgn2_6/prodata/1/lna/6C.COMB.seq:**
- 6: /cgn2_6/prodata/1/lna/6D.COMB.seq:**

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match length	ID	Description
1	3962	100.0	3962 1 US-08-336-343A-1	Sequence 1, Appl
2	3451	87.1	3637 1 US-08-445-640-3	Sequence 3, Appl
3	3451	87.1	3637 3 US-08-170-558-3	Sequence 3, Appl
4	3451	87.1	3637 3 US-08-447-314-3	Sequence 3, Appl
5	3451	87.1	3637 3 US-08-445-461-3	Sequence 3, Appl
6	1192.2	30.1	1197 1 US-08-445-640-7	Sequence 7, Appl
7	1192.2	30.1	1197 3 US-08-170-558-7	Sequence 7, Appl
8	1192.2	30.1	1197 3 US-08-447-314-7	Sequence 7, Appl
9	1192.2	30.1	1197 3 US-08-445-461-7	Sequence 7, Appl
10	642	16.2	3157 1 US-08-336-343A-3	Sequence 3, Appl
11	642	16.2	3157 1 US-08-336-343A-5	Sequence 5, Appl
12	639.8	16.1	3120 1 US-08-456-647B-19	Sequence 19, Appl
13	639.8	16.1	3120 2 US-08-237-401A-19	Sequence 19, Appl
14	182.2	4.6	2820 1 US-08-286-305A-4	Sequence 4, Appl
15	182.2	4.6	2820 2 US-08-441-104A-4	Sequence 4, Appl
16	182.2	4.6	2820 2 US-08-440-816A-4	Sequence 4, Appl
17	182.2	4.6	2820 4 US-09-417-381A-4	Sequence 4, Appl
18	180.6	4.6	2301 1 US-08-306-691B-23	Sequence 23, Appl
19	180.6	4.6	2301 5 PCT-US93-06251-78	Sequence 78, Appl
20	180.6	4.6	3060 1 US-08-286-305A-6	Sequence 6, Appl
21	180.6	4.6	3060 2 US-08-441-104A-6	Sequence 6, Appl
22	180.6	4.6	3060 2 US-08-440-816A-6	Sequence 6, Appl
23	180.6	4.6	3060 4 US-09-417-381A-6	Sequence 6, Appl
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26	180.6	4.6	3194 2 US-08-457-880A-1	Sequence 1, Appl
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28	180.6	4.6	3194 3 US-08-942-562-1	Sequence 1, Appl
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31	180.6	4.6	3707 5 PCT-US95-08180-1	Sequence 1, Appl
32	178.6	4.5	2526 1 US-07-912-952-1	Sequence 8, Appl
33	178.6	4.5	2940 1 US-08-286-305A-8	Sequence 8, Appl
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36	178.6	4.5	2940 4 US-08-417-381A-8	Sequence 8, Appl
37	163	4.1	2463 1 US-08-339-578-1	Sequence 1, Appl
38	158	4.0	4092 2 US-08-469-537A-106	Sequence 106, Appl
39	147.2	3.7	3398 5 PCT-US95-08493-12	Sequence 12, Appl
40	139	3.5	2208 5 PCT-US95-08493-12	Sequence 1, Appl
41	139	3.5	2580 5 PCT-US95-08493-18	Sequence 18, Appl
42	139	3.5	2604 5 PCT-US95-08493-20	Sequence 20, Appl
43	138.4	3.5	2376 1 US-07-912-952-3	Sequence 3, Appl
44	135.2	3.4	4149 2 US-08-737-715-1	Sequence 1, Appl
45	130.4	3.3	2869 1 US-08-374-834-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-336-343A-1
Sequence 1, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CCK-2, A NO. 5677144e1 Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
CLASSIFICATION: 435
FILING DATE: 08-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3962 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 321..3077
US-08-336-343A-1
Query Match 100.0%; Score 3962; DB 1; Length 3962;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3962; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY	1	CGGGCTTAGACTGGGGTGACTGGGACCTTAAGAGATCCTGAGTGTGAGAGCCCCCGACAG	60
Db	1	CGGGCTTAGACTGGGGGTGACTGGGAGACCTTAAGAGAAATCCTGAGTGTGAGAGCCCCCGACAG	60
OY	61	CTGGCTGTGGGAGACGGGCTCCCGAGAACCGGAGCCCCGGCGGCTTCCCGCTCCGGGCTC	120
Db	61	CTGGCTGTGGGAGACGGGCTCCCGAGAACCGGAGCCCCGGCGGCTTCCCGCTCCGGGCTC	120
OY	121	CGGGCTCTGGGCTCCGCTCCGCGCTCCCGGCGGCTTCCCGGCGGCGGCGGCGGCGGCTC	180
Db	121	CGGGCTCTGGGCTCCGCTCCGCGCTCCCGGCGGCTTCCCGGCGGCGGCGGCGGCGGCTC	180
OY	181	CCGGGCTGTGAGACGCTGGGTCTGCCGGGAAAGGAGATGAGAGTGTCTGAAGTGGCTAT	240
Db	181	CCGGGCTGTGAGACGCTGGGTCTGCCGGGAAAGGAGATGAGAGTGTCTGAAGTGGCTAT	240
OY	241	TCACGTAGCAGATGGGGGTGGACTTAAGAAATGCCAAGATGCTGGCCCCACCCGCTTA	300
Db	241	TCACGTAGCAGATGGGGGTGGACTTAAGAAATGCCAAGATGCTGGCCCCACCCGCTTA	300
OY	301	GGCCCGAGGATCAAGAGCTATGGGACAGAGGCCCTGTCACTTTACTGCTGCTGCTCT	360
Db	301	GGCCCGAGGATCAAGAGCTATGGGACAGAGGCCCTGTCACTTTACTGCTGCTGCTCT	360
OY	361	TGGTGGCAAGTGGAGATGCTACATAGAAAGGACATTTGATTCCTGCCAATGGCCCTATG	420
Db	361	TGGTGGCAAGTGGAGATGCTACATAGAAAGGACATTTGATTCCTGCCAATGGCCCTATG	420
OY	421	CCCTGGGCAATCAGGACCGGACCAATCCGACAGAGATCATCTCTCTCCAGCTCTGAT	480
Db	421	CCCTGGGCAATCAGGACCGGACCAATCCGACAGAGATCATCTCTCTCCAGCTCTGAT	480
OY	481	CAGATTCACCTGCGGCCCCGCCACAGACAGGTTGAGAGGACGTGACGGGGATGGGCGCTGT	540
Db	481	CAGATTCACCTGCGGCCCCGCCACAGAGGTTGAGAGGACGTGACGGGGATGGGCGCTGT	540
OY	541	GGCCCGAGGATCGGATGTTTCCCAAGAGAGAGAGTACTTGCAGGTGGATCTACAAACAC	600
Db	541	GGCCCGAGGATCGGATGTTTCCCAAGAGAGAGAGTACTTGCAGGTGGATCTACAAACAC	600
OY	601	TCACACTGTGTGCTGTGGTGGGCAACCAGGAGCGCATGCCGGGGGCTGGGACAGAGT	660
Db	601	TCACACTGTGTGCTGTGGTGGGCAACCAGGAGCGCATGCCGGGGGCTGGGACAGAGT	660
OY	661	TCTCCCGGAGCTACCGGCTGGCTTACTCCCGGAGTGGTCCGCTGTGATGGGCTGGAGG	720
Db	661	TCTCCCGGAGCTACCGGCTGGCTTACTCCCGGAGTGGTCCGCTGTGATGGGCTGGAGG	720
OY	721	ACCGCTGGGGTCAGAGAGTGTATCTCAGGCATAGAGACCTCGAGGAGATGGTGTGAAG	780
Db	721	ACCGCTGGGGTCAGAGAGTGTATCTCAGGCATAGAGACCTCGAGGAGATGGTGTGAAG	780
OY	781	ACCTTGGGCCCCCATGTGTTGCCGAGCTGGTTCCTTCTACCCCCGGGCTGACCGGGTCA	840
Db	781	ACCTTGGGCCCCCATGTGTTGCCGAGCTGGTTCCTTCTACCCCCGGGCTGACCGGGTCA	840
OY	841	TGAGTGTCTGTCTCGGGTAGAGTCTATAGGCTCCCTGTGAGAGGATGGAATCCCTGCTT	900
Db	841	TGAGTGTCTGTCTCGGGTAGAGTCTATAGGCTCCCTGTGAGAGGATGGAATCCCTGCTT	900
OY	901	ACACCGCCCTGTGGGACACATGTATTTATCTGAGGCGGTGTACTCAACACATCCA	960
Db	901	ACACCGCCCTGTGGGACACATGTATTTATCTGAGGCGGTGTACTCAACACATCCA	960
OY	961	CCATAGACGACATACCGTGGGCGGATGCAAGTATGGGGGTCTGGGCACTGGCAAGTG	1020
Db	961	CCATAGACGACATACCGTGGGCGGATGCAAGTATGGGGGTCTGGGCACTGGCAAGTG	1020
OY	1021	GTTGTGTGGGGCTGGATGACTTATAGAAAGATCAGAGCTCCGGGTCTGGCAGAGCTATG	1080
Db	1021	GTTGTGTGGGGCTGGATGACTTATAGAAAGATCAGAGCTCCGGGTCTGGCAGAGCTATG	1080

QY	1081	ACTAGTGGAGATGGAGCAACCAACAGCTTCTCCAGTGGCTATGTGGAAATGAGATTAGCT	1140
Db	1081	ACTATGTGGAGATGGAGCAACCAACAGCTTCTCCAGTGGCTATGTGGAGATTGAGT	1140
QY	1141	TTGACCGGCTGAGGGCCCTTCCAGGCTATGACAGTGCATGTAAACAATGCACAGCGTG	1200
Db	1141	TTGACCGGCTGAGGGCCCTTCCAGGCTATGACAGTGCATGTAAACAATGCACAGCTTG	1200
QY	1201	GAGCCCGTCTGCGCTGGCGGGGTGGAATGTGCGTTCCGGCGTGGCCCTGCCATGCGCTTGG	1260
Db	1201	GAGCCCGTCTGCGCTGGCGGGGTGGAATGTGCGTTCCGGCGTGGCCCTGCCATGCGCTTGG	1260
QY	1261	AGGGGAGACCCCATGCGGCCACAACCTAGGGGGCAACCTGGGGACCCAGAGCCGGGCTG	1320
Db	1261	AGGGGAGACCCCATGCGGCCACAACCTAGGGGGCAACCTGGGGAGCCCGGAGCCCGGCTG	1320
QY	1321	TCTCAGTACCCCTTGGCGCGCTGTGGGTGCGTTTCAGTGGCGGCTCTCTCTTTGGG	1380
Db	1321	TCTCAGTACCCCTTGGCGCGCTGTGGGTGCGTTTCAGTGGCGGCTCTCTCTTTGGG	1380
QY	1381	GCGCCGTGTTACTCTTTCAGCGCAAACTCTCTCATCTCTGATGTGGTGAACAATTCCTCTC	1440
Db	1381	GCGCCGTGTTACTCTTTCAGCGCAAACTCTCTCATCTCTGATGTGGTGAACAATTCCTCTC	1440
QY	1441	CGGCACTGGAGAGCACTTCCCGCCAGCCCGCTGGTGGCGGCTGTGGCCACCTCCACCA	1500
Db	1441	CGGCACTGGAGAGCACTTCCCGCCAGCCCGCTGGTGGCGGCTGTGGCCACCTCCACCA	1500
QY	1501	ACTTCAGAGAGTTGAGAGCTGAGAGGCCAAGGCCAGACACCCTGTGGCCAAAGGCCAGGGGA	1560
Db	1501	ACTTCAGAGAGTTGAGAGCTGAGAGGCCAAGGCCAGACACCCTGTGGCCAAAGGCCAGGGGA	1560
QY	1561	GCCCGACCGGCATCCTCATCGGCTGCGTGGTGGGCATATCCTGCTCTCTGCTGTCATCA	1620
Db	1561	GCCCGACCGGCATCCTCATCGGCTGCGTGGTGGGCATATCCTGCTCTCTGCTGTCATCA	1620
QY	1621	TTGCCCTCATCTCTGTGCGGCGCTGCACTGGCCAGACGGCTCTCAGCAAGGCTGACAGGAGG	1680
Db	1621	TTGCCCTCATCTCTGTGCGGCGCTGCACTGGCCAGACGGCTCTCAGCAAGGCTGACAGGAGG	1680
QY	1681	TGTTGGAAGAGAGAGTGAGGTTACCTCTCTGTGCCCGGGGAGACATATCTCATCAACA	1740
Db	1681	TGTTGGAAGAGAGAGTGAGGTTACCTCTCTGTGCCCGGGGAGACATATCTCATCAACA	1740
QY	1741	ACCGGCCAGGCTCTAGAGAGCCACCCCGTACAGAGAGCCCGGCGCTGTGGGAATCCGC	1800
Db	1741	ACCGGCCAGGCTCTAGAGAGCCACCCCGTACAGAGAGCCCGGCGCTGTGGGAATCCGC	1800
QY	1801	CCCACTCCGCTCCCTGTCTGCCCAATGGCTGTGCGTGTCTCTCCAAATCAGACCTAAC	1860
Db	1801	CCCACTCCGCTCCCTGTCTGCCCAATGGCTGTGCGTGTCTCTCCAAATCAGACCTAAC	1860
QY	1861	GCGTCCTTCTGCGCACTTACGCGCGTCCCTCCAGAGGCGGGGCCCGCCCGCACCGCGCT	1920
Db	1861	GCGTCCTTCTGCGCACTTACGCGCGTCCCTCCAGAGGCGGGGCCCGCCCGCACCGCGCT	1920
QY	1921	GGGCGCAAAACCCACCAACCCAGGCGCTACATGGGGACTAATGAGAGCTGAGAAGCCAG	1980
Db	1921	GGGCGCAAAACCCACCAACCCAGGCGCTACATGGGGACTAATGAGAGCTGAGAAGCCAG	1980
QY	1981	GCGGCGCGCTTCTGCCCGCACCTCCCGAGAACAGAGTCCCGCATTTATGCGAGGCTGACA	2040
Db	1981	GCGGCGCGCTTCTGCCCGCACCTCCCGAGAACAGAGTCCCGCATTTATGCGAGGCTGACA	2040
QY	2041	TTGTTACCTTGCAGAGGGGTACACCGGGGCAACACTATGCTGTGCTGCACATGCCCCAG	2100
Db	2041	TTGTTACCTTGCAGAGGGGTACACCGGGGCAACACTATGCTGTGCTGCACATGCCCCAG	2100
QY	2101	GGGAGAGTGGGGATGGGCGCCCGCCAGAGTGGATTTCCCTGCATCTGCACATCCCGTTCAAG	2160
Db	2101	GGGAGAGTGGGGATGGGCGCCCGCCAGAGTGGATTTCCCTGCATCTGCACATCCCGTTCAAG	2160
QY	2161	AGAGAGCTTGGCGAGGCGCAATTTGGGGAGGTGCACCTGTGTGAAGTGCAGAGCGCTTAAG	2220

Db	2161	AGAAAGCTGGCGAGGGCCAGTTGGGGAGGTGCACCTGTTGTAGGTCGACAGCCCTCAAG	2222
OY	2221	ATCTGTCAGCTGTGATTTTCCCCCTTAATGTGCGTAAGGACACCCTTGTGTAAGTGTG	2280
Db	2221	ATTGTGTCAAGCTGTGATTTTCCCCCTTAAGTGTCAAGGACACCCTTGTGTAAGTGTG	2280
OY	2281	TCAAGATCTTACGGCCAGATGGCACCAAGAATGCCAGGCTCTGCTGTTCCACGAGATG	2340
Db	2281	TCAAGATCTTACGGCCAGATGGCACCAAGAATGCCAGGCTCTGCTGTTCCACGAGATG	2340
OY	2341	ATTTCCTGAAGAAGGTGAAGATCATGTGAGGCTCAAGACCACAATCATTCGTGGCTGC	2400
Db	2341	ATTTCCTGAAGAAGGTGAAGATCATGTGAGGCTCAAGACCACAATCATTCGTGGCTGC	2400
OY	2401	TGGGGGTGTGTGCAAGATGACCCCTCTGCTATTACTGACTACATGAGAAAGGCG	2460
Db	2401	TGGGGGTGTGTGCAAGATGACCCCTCTGCTATTACTGACTACATGAGAAAGGCG	2460
OY	2461	ACCTCAACCAAGTTCCTCAAGTGGCCACACAGCTGAGAGACAAGGACGAGGGGGCCCTG	2520
Db	2461	ACCTCAACCAAGTTCCTCAAGTGGCCACACAGCTGAGAGACAAGGACGAGGGGGCCCTG	2520
OY	2521	GGGACGGGCAAGGCTCGGACGAGGGGCCACCATCAGCTACCAATCTGCTGATGTGGCAG	2580
Db	2521	GGGACGGGCAAGGCTCGGACGAGGGGCCACCATCAGCTACCAATCTGCTGATGTGGCAG	2580
OY	2581	CCCAATGGCTCCGGGATGGGCTATCTGGCCACATCACTAATTTGATCATGGGACCTGG	2640
Db	2581	CCCAATGGCTCCGGGATGGGCTATCTGGCCACATCACTAATTTGATCATGGGACCTGG	2640
OY	2641	CCACCGGAACGCGCTAGTTGGGGAAAAATTCACATCAAAATGCGACACTTGTGGCATGA	2700
Db	2641	CCACCGGAACGCGCTAGTTGGGGAAAAATTCACATCAAAATGCGACACTTGTGGCATGA	2700
OY	2701	GCCGGAACTCTATGCTGGGGACTATTAACCTGTGACAGGGCCGGGAGTGCTGCCATCC	2760
Db	2701	GCCGGAACTCTATGCTGGGGACTATTAACCTGTGACAGGGCCGGGAGTGCTGCCATCC	2760
OY	2761	GCTGGATGGCTGGGATGTGATCCTCATGGGAAATTACAGACTGCGAGTGAAGTGTGGG	2820
Db	2761	GCTGGATGGCTGGGATGTGATCCTCATGGGAAATTACAGACTGCGAGTGAAGTGTGGG	2820
OY	2821	CCTTGGGTGATACCCTGGGAGGTGTGAATGCTCTGTAGGGCCACACCTTTTGGGAGC	2880
Db	2821	CCTTGGGTGATACCCTGGGAGGTGTGAATGCTCTGTAGGGCCACACCTTTTGGGAGC	2880
OY	2881	TCACCGACGACAGGTATCGAAGACCGGGGGAGTCTTCCGGAGACAGGGCCGGAGG	2940
Db	2881	TCACCGACGACAGGTATCGAAGACCGGGGGAGTCTTCCGGAGACAGGGCCGGAGG	2940
OY	2941	TGTACTGTCTCCGGCCGCTGCTGCGGACGAGGCTATATGAGCTGATGCTTCCGGTCT	3000
Db	2941	TGTACTGTCTCCGGCCGCTGCTGCGGACGAGGCTATATGAGCTGATGCTTCCGGTCT	3000
OY	3001	GGACCCGGAGGTGAGACAGGACCAACCTTTTCCAGCTGATCGGTTCTTGGCAGAGG	3060
Db	3001	GGACCCGGAGGTGAGACAGGACCAACCTTTTCCAGCTGATCGGTTCTTGGCAGAGG	3060
OY	3061	ATGCACCTCAACAGGTGTGAATCACATCATGCTGCCCCCTCTAAGGAGATGATCCAG	3120
Db	3061	ATGCACCTCAACAGGTGTGAATCACATCATGCTGCCCCCTCTAAGGAGATGATCCAG	3120
OY	3121	GGGAAAGCACTGACACTTAAACAAGAGACACAATGGCACTTGGCTTCCCTCCGCA	3180
Db	3121	GGGAAAGCACTGACACTTAAACAAGAGACACAATGGCACTTGGCTTCCCTCCGCA	3180
OY	3181	CAGCCCACTCAACCTTAATAGGCAAGTGAAGACTGCGAGTGGGTGGGCCACCCAGGAG	3240
Db	3181	CAGCCCACTCAACCTTAATAGGCAAGTGAAGACTGCGAGTGGGTGGGCCACCCAGGAG	3240
OY	3241	CTGATGCCCCCTTCTCCCTCTGTGACACACTTCATGTGCCCTTCCTTCTTCTTCC	3300
Db	3241	CTGATGCCCCCTTCTCCCTCTGTGACACACTTCATGTGCCCTTCCTTCTTCTTCC	3300

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Db      3241 CTGATGCCCCCTTCTCCCTCTCCCTGAGACACCTCATGTGCCCCCTTCTGTTCTTCTTCC 3300
QY      3301 TAGAGCCCCCTGTGCGCCACCCAGCTGAGTCTGTGTGATGGATTCCTCTCAACCCCTCT 3366
Db      3301 TAAAGCCCCCTGTGCGCCACCCAGCTGAGTCTGTGTGATGGATTCCTCTCAACCCCTCT 3366
QY      3361 AGCCATCCCTTGGGGAGAGGGTGGGGAGAAATATAGATATAGACACTGACATAGGCCCATTTG 3420
Db      3361 AGCCATCCCTTGGGGAGAGGGTGGGGAGAAATATAGATATAGACACTGACATAGGCCCATTTG 3420
QY      3421 GAGCACCCTGGGCCCCCAGCTGGAAACACACTGATTCCTGAGAGAGGTGGCTGCCGCCAGCTTC 3480
Db      3421 GAGCACCCTGGGCCCCCAGCTGGAAACACACTGATTCCTGAGAGAGGTGGCTGCCGCCAGCTTC 3480
QY      3481 TCTCTCCCTGTGCACACACTGAGACCCCACTGGCTGGAATCTGAGGGGTAGAGAGACAGA 3540
Db      3481 TCTCTCCCTGTGCACACACTGAGACCCCACTGGCTGGAATCTGAGGGGTAGAGAGACAGA 3540
QY      3541 AGGAGAGGAAAATGTTTCTCTGCTGCTCTGACTTGTCTTCCAGCTTGAGCTTGCTTC 3600
Db      3541 AGGAGAGGAAAATGTTTCTCTGCTGCTCTGACTTGTCTTCCAGCTTGAGCTTGCTTC 3600
QY      3601 CTCCTCCACACTGTAAGAACACTGAGACCTGGGGGTAGCCCCGCCAGCCCTCACTACACC 3660
Db      3601 CTCCTCCACACTGTAAGAACACTGAGACCTGGGGGTAGCCCCGCCAGCCCTCACTACACC 3660
QY      3661 CCACCTCCCACTTGGACGTCTGTAGCTAGAACTTCTCAACCTATAGCTTCTGTGGAG 3720
Db      3661 CCACCTCCCACTTGGACGTCTGTAGCTAGAACTTCTCAACCTATAGCTTCTGTGGAG 3720
QY      3721 TAAATATTGGGATTGGGGGGGAAAGAGGAGCAAGGCCCAATAGCTTGGGGTGGACATC 3780
Db      3721 TAAATATTGGGATTGGGGGGGAAAGAGGAGCAAGGCCCAATAGCTTGGGGTGGACATC 3780
QY      3781 TCTATGTAGCTGCCACATTTGATTTTCTATATCATCTTGGGGTTGTACATTTTGGG 3840
Db      3781 TCTATGTAGCTGCCACATTTGATTTTCTATATCATCTTGGGGTTGTACATTTTGGG 3840
QY      3841 GGAGAGACACAGATTTTACACTAATATAGGACCTAGCTTGGAGCAATTTTATCCCT 3900
Db      3841 GGAGAGACACAGATTTTACACTAATATAGGACCTAGCTTGGAGCAATTTTATCCCT 3900
QY      3901 GCACTAGCAGAGTATATATAAGGTGAGTTTCCACAAAAAAGGAT 3960
Db      3901 GCACTAGCAGAGTATATATAAGGTGAGTTTCCACAAAAAAGGAT 3960
QY      3961 TC 3962
Db      3961 TC 3962

RESULT 2
US-08-445-640-3
; Sequence 3, Application US/08445640
; Patent No. 5709858
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible

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Db	1697	ACACCCAGGCGCTACAGTGGGAGCTATATGAGACCTGGAAGACGAGGCCGCCCGCTTCTGC	1736
OY	1996	CCCCACCTCCCGCAGAAGAGCGTCCCGCCATATATGCCAGGCTGACATTTGTTACCTTCAGG	2055
Db	1757	CCCCACCTCCCGCAGAAGAGCGTCCCGCCATATATGCCAGGCTGACATTTGTTACCTTCAGG	1816
OY	2056	GGGTACCGGGGGGCAACACTATGCTGTGCTGCACTCGCCCCAGGGGCACTCGGGAGTG	2115
Db	1817	GGGTACCGGGGGGCAACACTATGCTGTGCTGCACTCGCCCCAGGGGCACTCGGGAGTG	1876
OY	2116	GGCCCCCAGAGTGTATTTCCCTCATCTCGCATCCGGTCAAGGAGAAGCTGTGGCAGG	2175
Db	1877	GGCCCCCAGAGTGTATTTCCCTCATCTCGCATCCGGTCAAGGAGAAGCTGTGGCAGG	1936
OY	2176	GCCAGTTTGGGGAGGTGCACCTGTGTGTAGTGCAGACGCCCTCAAGATGTGTCAGTCTTG	2235
Db	1937	GCCAGTTTGGGGAGGTGCACCTGTGTGTAGTGCAGACGCCCTCAAGATGTGTCAGTCTTG	1996
OY	2236	ATTCCCGCCCTTAATGTGCGTGAAGGACACCTTTGCTGTGTAAGTGTCAAGATCTTACGGC	2295
Db	1997	ATTCCCGCCCTTAATGTGCGTGAAGGACACCTTTGCTGTGTAAGTGTCAAGATCTTACGGC	2056
OY	2296	CAGATGCGACCAAGAAAGATCCAGCTTCTCTGTCTCTCCAGGAAGATTTCTGTAAAGAG	2355
Db	2057	CAGATGCGACCAAGAAATG-----CCAGGAAGATTTCTGTAAAGAGG	2098
OY	2356	TGAAGATCATGTGAGAGGCTCAAGAGCCCAACATCATTCGCGCTGCTGGGCGTGTGTGTC	2415
Db	2099	TGAAGATCATGTGAGAGGCTCAAGAGCCCAACATCATTCGCGCTGCTGGGCGTGTGTGTC	2158
OY	2416	AGGACGACCCCGCTCTGCATGATTTACTGACTCATAGAGAACGCGAGACCTCAACAGTTCC	2475
Db	2159	AGGACGACCCCGCTCTGCATGATTTACTGACTCATAGAGAACGCGAGACCTCAACAGTTCC	2218
OY	2476	TCAGTGGCCACAGCTGGAGAGCAAGGAGCGGAGGGGGCCCCCGGGGACGGGAGAGCTG	2535
Db	2219	TCAGTGGCCACAGCTGGAGAGCAAGGAGCGGAGGGGGCCCCCGGGGAGCGGAGAGCTG	2278
OY	2536	CGCAGAGGGGCCACCATCAGTACGCCAATGTGCTGTGCACTGTGTGGACGCCAGATCGCTTCG	2595
Db	2279	CGCAGAGGGGCCACCATCAGTACGCCAATGTGCTGTGCACTGTGTGGACGCCAGATCGCTTCG	2338
OY	2596	GCAATGCGGTATCTGCGCCCACTCAACTTTGTATCTGGGACCTGGCCACGCGGAATGCG	2655
Db	2339	GCAATGCGGTATCTGCGCCCACTCAACTTTGTATCTGGGACCTGGCCACGCGGAATGCGC	2398
OY	2656	TAGTTTGGGGAATTTCCACCATCAAAATCGAGACTTGGATATGAGCGGAACCTCTATG	2715
Db	2399	TAGTTTGGGGAATTTCCACCATCAAAATCGAGACTTGGATATGAGCGGAACCTCTATG	2458
OY	2716	CTGGGGAGCTATTACCGTGTGTGCAGGGCCGGGAGTGTGCCATCCGCTGTAGTGGCTGGG	2775
Db	2459	CTGGGGAGCTATTACCGTGTGTGCAGGGCCGGGAGTGTGCCATCCGCTGTAGTGGCTGGG	2518
OY	2776	AGTGCATCTCTATGGGGAAGTTCACGACTGTGAGTGAACGTGTGGGCGCTTTGTGTGACCC	2835
Db	2519	AGTGCATCTCTATGGGGAAGTTCACGACTGTGAGTGAACGTGTGGGCGCTTTGTGTGACCC	2578
OY	2836	TGTGGGAGGTCTATGCTCTGTGTGGGCGCAGGCCCTTTGGGCAAGCTACCGAGAGTACG	2895
Db	2579	TGTGGGAGGTCTATGCTCTGTGTGGGCGCAGGCCCTTTGGGCAAGCTACCGAGAGTACG	2638
OY	2896	TCATCGAAGACGCGGGGAGTTCCTCCGGGACAGGCGCGGACAGTTCACCTGTCGCCGG	2955
Db	2639	TCATCGAAGACGCGGGGAGTTCCTCCGGGACAGGCGCGGACAGTTCACCTGTCGCCGG	2698
OY	2956	CGCCTGCGCTGCGCCAGAGCCCTATATAGCTGATGCTTCGATGCTGGAGCGCGGAGTCTG	3015
Db	2699	CGCCTGCGCTGCGCCAGAGCCCTATATAGCTGATGCTTCGATGCTGGAGCGCGGAGTCTG	2758
OY	3016	AGCAGGACACACCTTTTCCAGCTGTGATGGTTCGCGGAGAGAGTACACTCAACACGG	3075
Db	2759	AGCAGGACACACCTTTTCCAGCTGTGATGGTTCGCGGAGAGAGTACACTCAACACGG	2818

QY	3076	GGTGAATCAACACATCCACACTCCGCCCTCCCTCAGAGGAGTGAATCCAGGGGAAAGCCAGTGA	3135
Db	2819	TTGTGATACACATCCACACTCCGCCCTCCCTCAGAGGAGTGAATCCAGGGGAAAGCCAGTGA	2878
QY	3136	CTAAAMCAAGAGGACACAAATGGACACTCTGACCTCTCCCTCCGACAGCCCATACACT	3195
Db	2879	CTAAAMCAAGAGGACACAAATGGACACTCTGACCTCTCCCTCCGACAGCCCATACACT	2938
QY	3136	AATAGAGGCACTGAGACTGCAGAGTGGGCTGGGCCACCCAGAGGAGTGAATGCCCTTCTC	3255
Db	2939	AATAGAGGCACTGAGACTGC-----	2958
QY	3256	CCCTTCCCGGAGACACACTCTCATGTGCCCTTCTCTTCTCTCTCTGAAAGCCCTGTG	3315
Db	2959	-----	2972
QY	3316	CCCAACCAAGCTGATCTGTGATGGAGATCCCTCTCACCCCTCCTTAGCAATCCCTTGGG	3375
Db	2973	CCCAACCAAGCTGATCTGTGATGGAGATCCCTCTCACCCCTCCTTAGCAATCCCTTGGG	3032
QY	3376	AAGGTTGGGGGAAATATAGGATAGACACTGGACATGGCCATTGGAGCACTTGGGCC	3435
Db	3033	AAGGTTGGGGGAAATATAGGATAGACACTGGACATGGCCATTGGAGCACTTGGGCC	3092
QY	3436	ACTGGACAAACACTATCTCTCTGGAGAAGTGGCTGG-C-CCCACTCTCTCTCCCTGTAC	3494
Db	3093	ACTGGACAAACACTATCTCTCTGGAGAAGTGGCTGG-C-CCCACTCTCTCTCCCTGTAC	3152
QY	3495	ACACTGAGCCCACTGAGCTGAGATCTGGGGGTGAGAGAGACAAAGAGAGAGAAATG	3554
Db	3153	ACACTGAGCCCACTGAGCTGAGATCTGGGGGTGAGAGAGACAAAGAGAGAGAAATG	3212
QY	3555	TTTCCCTGTGCTGCTCCTGTACTTGTCTCAAGCTTGGGCTTCTCTCCCTCATCACT	3614
Db	3213	TTTCCCTGTGCTGCTCCTGTACTTGTCTCAAGCTTGGGCTTCTCTCCCTCATCACT	3272
QY	3615	GAAACACTGGAGCCCTGGGGGTGAGCCGCCGCCAGCCCTCATCACCCCACTTCCCACTG	3674
Db	3273	GAAACACTGGAGCCCTGGGGGTGAGCCGCCGCCAGCCCTCATCACCCCACTTCCCACTG	3332
QY	3675	CAGCTTGTAGCTAGAACTTCTCTAAGCCTATAAGTTCTGTGGAGTAAATATTGGGAT	3734
Db	3333	CAGCTTGTAGCTAGAACTTCTCTAAGCCTATAAGTTCTGTGGAGTAAATATTGGGAT	3392
QY	3735	GGGGGGAAAGAGGAGACAGGCCCATAGCCTTGGGGTGGAGATCTAGTATGCTGC	3794
Db	3393	GGGGGGAAAGAGGAGACAGGCCCATAGCCTTGGGGTGGAGATCTAGTATGCTGC	3452
QY	3795	CACCTTATTTTCTATAATACACTTGGGGTTTGTACATTTTGGGGGAGAGACACAGAT	3854
Db	3453	CACCTTATTTTCTATAATACACTTGGGGTTTGTACATTTTGGGGGAGAGACACAGAT	3512
QY	3855	TTTTACACTATATATGAGCCTAGCTGAGGCAATTTTATCCCTGCACTAGGAGGT	3914
Db	3513	TTTTACACTATATATGAGCCTAGCTGAGGCAATTTTATCCCTGCACTAGGAGGT	3572
QY	3915	ATATATAAGGTTGAGTTTCCACAAAAA	3953
Db	3573	ATATATAAGGTTGAGTTTCCACAAAAA	3611

RESULT 3
 US-08-170-558-3
 : Sequence 3, Application US/08170558
 : Patent No. 6001621
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Godowski, Paul J.
 : APPLICANT: Mark, Melanie R.
 : APPLICANT: Scadden, David T.
 : APPLICANT: Baker, Kevin P.
 : APPLICANT: Baron, Will F.
 :
 : TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Path (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 05/08/170.558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-170-558-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTGTAAGAAATGCCAAGAGATGCTGCCCCCAGCCCTTATAGGCCCAAGGANTAG 315
DB 17 GTTGACTGTAAGAAATGCCAAGAGATGCTGCCCCCAGCCCTTATAGGCCCAAGGANTAG 76
QY 316 GAGCTATGGAGACAGAGGCCCTGTCACTTACTGTCTGCTCTTGGTGGCAAGTGAG 375
DB 77 GAGCTATGGAGACAGAGGCCCTGTCACTTACTGTCTGCTCTTGGTGGCAAGTGAG 136
QY 376 ATGTGACATGAAGAGACATTTGATCCTGCAAGTGCCTATGCTGGGATGAG 435
DB 137 ATGTGACATGAAGAGACATTTGATCCTGCAAGTGCCTATGCTGGGATGAG 196
QY 436 ACCGACATCCCGAGAGATGATCTGCTTCCAGCTCCTGCTAGATTCACCTGCG 495
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QY 496 CCCGACAGAGAGTGGAGAGCAGTACGAGGAGTGGGCTGTGCCCCAGAGGTGCG 555
DB 257 CCCGACAGAGAGTGGAGAGCAGTACGAGGAGTGGGCTGTGCCCCAGAGGTGCG 316
QY 556 TGTTCCTCCAGAGAGAGATGATCTGCAAGTGCATCAACAAGACTCCACTGTGCTC 615
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QY 616 TGTGAGGACCCAGAGAGAGATGCGGGGGCCGAGGAGAGTTCCTCCGAGATACC 675
DB 377 TGTGAGGACCCAGAGAGAGATGCGGGGGCCGAGGAGAGTTCCTCCGAGATACC 436
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DB 437 GGTGCTTACTCCCGGAGTGTGCGCGCTGATGAGCTGGAAGAGACCGCTGGGCTAGG 496
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QY 916 GGCAGACATGATTTATCTGAGGCGGTGTACCTCAAGACTCCACTATGAGGACATA 975
DB 677 GGCAGACATGATTTATCTGAGGCGGTGTACCTCAAGACTCCACTATGAGGACATA 736
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DB 1157 TCAGGAAATCTCTCATCTGATGTGAGAACATTTCTCTCCGACATGGAGGCA 1216
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QY 1576 TCATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1635
DB 1337 TCATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1396
QY 1636 GCGGCTGCACTGCGAGAGGCTCTCAGCAAGGCTGAAGGAGGAGGAGGAGGAGGAGG 1695
DB 1397 GCGGCTGCACTGCGAGAGGCTCTCAGCAAGGCTGAAGGAGGAGGAGGAGGAGGAGG 1456
QY 1696 TGACGGTTCACCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1755
DB 1457 TGACGGTTCACCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1516
QY 1756 GAGAGCCACCCGCTACAGAGAGGCGCGGCTGTGGAGATCCCGCCACTCCGCTCCT 1815
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QY 1816 GTGTCCCAATGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1875

Db 1577 GTGTCGCCAATGCTCTGCTGCTGCTCTCCATTCAGCCCTACCGGCTCCTTCGCGCA 1636
 QY 1876 CTTACGCCCCGTCCTCCGAGAGCCCGGCGCCCGCCACACCCGCTGCGGCAAAACCACCA 1935
 Db 1637 CTTACGCCCCGTCCTCCGAGAGCCCGGCGCCCGCCACACCCGCTGCGGCAAAACCACCA 1696
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 Db 1697 ACACCCAGGCTTACAGTGGGAGCTATATGAGCCCTGAGAGCCGAGGCGCGCGCTTCG 1756
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 Db 1757 CCCCACCTCCCGAGAGAGGCTCCCGCATTTAGCCGAGGCTGACATTTGTTACCTGCGAG 1816
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 Db 1817 GCGTCACCGGGGGGCAACACCTATGCTGCTGCTGACCTGCCCCAGGGGAGTGGGGATG 1876
 QY 2116 GGGCCCCCAAGTGGATTTCCCTGATCTGATCTGATCTGCTGCAAGGAGAGCTTGGCGAG 2175
 Db 1877 GGGCCCCCAAGTGGATTTCCCTGATCTGATCTGATCTGCTGCAAGGAGAGCTTGGCGAG 1936
 QY 2176 GCGAGTTGGGAGGTGACCTGCTGATGAGTGCAGACGCTCCCAAGATGTGCTGAGCTTG 2235
 Db 1937 GCGAGTTGGGAGGTGACCTGCTGATGAGTGCAGACGCTCCCAAGATGTGCTGAGCTTG 1996
 QY 2236 ATTTCCCTTAAATGCTGCTGATGAGGACACCTTTGCTGCTGATGCTGCAAGATTTAGG 2295
 Db 1997 ATTTCCCTTAAATGCTGCTGATGAGGACACCTTTGCTGCTGATGCTGCAAGATTTAGG 2056
 QY 2296 CAGATGCCACCAAGATGCCAGCTTCTCTGTTCTCCAGAGATGATTTCTCTGAAAGAG 2355
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 QY 2356 TGAAGATCATGTGAGGCTCAGAGACCCCAACATCATTTGCTGCTGCTGCTGCTGCTG 2415
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 Db 2159 AGGACGACCCCTCTGCTGATGATTTACTGATACATGAGAGAACGGGAGCTCAACAGATTC 2218
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 QY 2596 GCATGGGCTATCTGCGCACACTCAACTTTGTACATCGGAGCCTGCGACGGGAGAACGCC 2655
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 QY 2896 TGAATGAGAAAGCGGGGGAGTTCTTCCGGAGCAGAGGCGCGGAGGTGTACCTTCCGGC 2955
 Db 2639 TGAATGAGAAAGCGGGGGAGTTCTTCCGGAGCAGAGGCGCGGAGGTGTACCTTCCGGC 2698

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 Db 2819 TGTGAATACACATCAGCTGCGCTCCCTCAGGAGTGTATCAGAGGAGGAGGAGGAGTACA 2878
 QY 3136 CTAAACAAAGAGAACAAATGGACACTTGGCTTCCCTCCCTCCGACAGCCCATCACTCT 3195
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 QY 3495 ACATGAGCCCCACTGCTGAGATCTGAGGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAG 3554
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 QY 3615 GAAACACTGACCTGAGGAGTACCCCGCCAGCCCTCACTGACACCCCACTTCCACTTG 3674
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 QY 3915 ATAATAAGGTGAGTTTCCACAAAATTTTAAAAA 3953
 Db 3573 ATAATAAGGTGAGTTTCCACAAAATTTTAAAAA 3611

RESULT 4
 US-08-447-314-3
 ; Sequence 3, Application US/08447314

Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 386 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-447-314-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTTGAAAGAAATGCCAAGATGCTGCCCCACCCCTTAGGCCGAGGATCAG 315
Db 17 GTTGACTTGAAAGAAATGCCAAGATGCTGCCCCACCCCTTAGGCCGAGGATCAG 76
QY 316 GACTATGGACACAGAGGCCCTCTCATCTTTACTGCTGCTCTTGGTGGCAATGGAG 375
Db 77 GACTATGGACACAGAGGCCCTCTCATCTTTACTGCTGCTCTTGGTGGCAATGGAG 136
QY 376 ATGCTGACATGAAGAGACATTTTATCTGCTGCCAAGTGCCTGATCCAGATTCACATGCCG 435
Db 137 ATGCTGACATGAAGAGACATTTTATCTGCTGCCAAGTGCCTGATCCAGATTCACATGCCG 196
QY 436 ACCGACCATCCAGACAGTGAATCTGCTTCCAGTCTGATCCAGATTCACATGCCG 495
Db 197 ACCGACCATCCAGACAGTGAATCTGCTTCCAGTCTGATCCAGATTCACATGCCG 256
QY 496 CCGGCAACAGAGTGGAG 555
Db 257 CCGGCAACAGAGTGGAG 316
QY 556 TGTTCCTCAAG 615
Db 317 TGTTCCTCAAG 376

QY 616 TGTTCCTCAAG 675
Db 377 TGTTCCTCAAG 436
QY 676 GGTTCCTCAAG 735
Db 437 GGTTCCTCAAG 496
QY 736 AGGTGATCTCAGGCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 795
Db 497 AGGTGATCTCAGGCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 556
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Db 557 TGTTCCTCAAG 616
QY 856 GGTTCCTCAAG 915
Db 617 GGTTCCTCAAG 676
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QY 1396 TCAGCAAAATCTCTTCATCTCTGATGTGTGAACAATTCCTCTCGGCACTGGAGGCA 1455
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QY 1456 CCTTCAGAGTATGAGTGGCTTCTGAGTGGCTTCTGAGTGGCTTCTGAGTGGCTTCTGAG 1515
Db 1217 CCTTCAGAGTATGAGTGGCTTCTGAGTGGCTTCTGAGTGGCTTCTGAGTGGCTTCTGAG 1276
QY 1516 AGCTGAGGCCAG 1575
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QY 1576 TCATGCGGTGCTGAGTGGCCATCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1635
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QY 1636 GCGGCGTGCAGTGGCCAGAGCTCTCAGCAAGAGCTGAAGAGAGAGAGAGAGAGAGAG 1695
Db 1397 GCGGCGTGCAGTGGCCAGAGCTCTCAGCAAGAGCTGAAGAGAGAGAGAGAGAGAGAG 1456
QY 1696 TGACGGTTACCTCTCTCTGCTGCGGAGACATCTCTCATCAACAGCGGCCAGGCTCA 1755


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Db 1457 TACAGGTTACCTCTCTCTCCCTGGGAGACATATCTCATCAACAACCGCCAGGTCTTA 1516
Qy 1756 GAGAGCACCCCGGTACAGAGAGCCCGGCGCTGTGGGAATCCGCCACTCCGCTCCCT 1815
Db 1517 GAGAGCACCCCGGTACAGAGAGCCCGGCGCTGTGGGAATCCGCCACTCCGCTCCCT 1576
Qy 1816 GTGTCCCAATGGCTCTGTGCTGTCTCTCAATCCAGCTCAACGCGCTCTCTGAGCA 1875
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Qy 1876 CTTAGCGCCGTCCTCCCTGAGAGCCGGGCCCCCACACCGCGCTGGGCAACCCACA 1935
Db 1637 CTTAGCGCCGTCCTCCCTGAGAGCCGGGCCCCCACACCGCGCTGGGCAACCCACA 1696
Qy 1936 ACACCCAGGCTTACAGTGGGAGCTAATAGAGACCTTGAAGAGCAGGCGCCGCTCTGC 1995
Db 1697 ACACCCAGGCTTACAGTGGGAGCTAATAGAGACCTTGAAGAGCAGGCGCCGCTCTGC 1756
Qy 1996 CCCCACCTCCCGAGAACAGCCTCCCAATTATGCGAGGCTGACATTTACCCCTGAG 2055
Db 1757 CCCCACCTCCCGAGAACAGCCTCCCAATTATGCGAGGCTGACATTTACCCCTGAG 1816
Qy 2056 GCGTACCGGGGGCAACACTATGTCTGTGCTGCACTGCCCCAGGGGAGTCCGGGATG 2115
Db 1817 GCGTACCGGGGGCAACACTATGTCTGTGCTGCACTGCCCCAGGGGAGTCCGGGATG 1876
Qy 2116 GSCCCCGAGATGATTTCCCTCGATCTCGACTCCGCTTCAAGAGAAAGCTTGGCGAG 2175
Db 1877 GSCCCCGAGATGATTTCCCTCGATCTCGACTCCGCTTCAAGAGAAAGCTTGGCGAG 1936
Qy 2176 GCGAGTTTGGGAGGTGACCTGTGTGAGTGCAGAGCCCTCAAGTCCGTGAGTCTG 2235
Db 1937 GCGAGTTTGGGAGGTGACCTGTGTGAGTGCAGAGCCCTCAAGTCCGTGAGTCTG 1996
Qy 2236 ATTTCCTCCCTTAATGTGCTGAAGAGACACCTTTGCTGTAGCTCTCAAGATCTTACGG 2295
Db 1997 ATTTCCTCCCTTAATGTGCTGAAGAGACACCTTTGCTGTAGCTCTCAAGATCTTACGG 2056
Qy 2296 CAGATGCGACCAAGAAATGCCAGCTTCTCTCTTCCAGAAATATTTCCGAAAGAG 2355
Db 2057 CAGATGCGACCAAGAAATGCCAGCTTCTCTCTTCCAGAAATATTTCCGAAAGAG 2098
Qy 2356 TGAAGATCATGTGAGGCTCAAGAGACCCCAACATATTCGGCTGTGGGCGGTGTGCG 2415
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Qy 2416 AGGACGACCCCTCTGATGATTACTGATGATGAGAAAGGAGACCTCAACAGTCC 2475
Db 2159 AGGACGACCCCTCTGATGATTACTGATGATGAGAAAGGAGACCTCAACAGTCC 2218
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Db 2219 TCAATGCGACACAGCTGAGAGAGACAAGGAGCGGAGGCGCCCTGGGGACGGGAGCTG 2278
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Db 2279 CCGAGGGGCGCCACCATATGCTACAGTACCAATGCTGTCGATGTGGAGCCGACAGTCCCG 2338
Qy 2596 GCATGGCGTATGTGGCCACACTCAACTTTGTACATCGGAGCTTGGCAGCGGGAAGTCC 2655
Db 2339 GCATGGCGTATGTGGCCACACTCAACTTTGTACATCGGAGCTTGGCAGCGGGAAGTCC 2398
Qy 2656 TACTGGGGAATTTTCACATCAATAATCCAGACTTTGGCATATGCGGAACTCTATG 2715
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Qy 2716 CTGGGAGCTATTAACCGTGTGAGGGCGGGGAGTGTGCGCATCCGCTGGATGGCCGGG 2775
Db 2459 CTGGGAGCTATTAACCGTGTGAGGGCGGGGAGTGTGCGCATCCGCTGGATGGCCGGG 2518
Qy 2776 AGTGCATCTCATGGGGAAGTTACAGACTGCGAGTGAAGTGTGGGCTTTGTGTGACCC 2835
|||||
Db 2519 AGTGCATCTCATGGGGAAGTTACAGACTGCGAGTGAAGTGTGGGCTTTGTGTGACCC 2578
Qy 2836 TGTGGAGAGTGTATGCTGTGTAGGGCCAGGCCCTTTGGGAGCTACCGAGAGAGG 2895
Db 2579 TGTGGAGAGTGTATGCTGTGTAGGGCCAGGCCCTTTGGGAGCTACCGAGAGAGG 2638
Qy 2896 TCATCGAAGACGGGGGAGTCTTCCGGGACCAAGGCGCGAGTGTACTTCCCGG 2955
Db 2639 TCATCGAAGACGGGGGAGTCTTCCGGGACCAAGGCGCGAGTGTACTTCCCGG 2698
Qy 2956 CGCTGCTGCGCCGAGGGGCTTATGAGAGTGTGCTGTGCTGTGAGAGCGGAGTCTG 3015
Db 2699 CGCTGCTGCGCCGAGGGGCTTATGAGAGTGTGCTGTGCTGTGAGAGCGGAGTCTG 2758
Qy 3016 AGCAGGACCACTTTTCCAGACTGCTGATGCTGTGCTGTGAGAGTGTGACTCAACGG 3075
Db 2759 AGCAGGACCACTTTTCCAGACTGCTGATGCTGTGCTGTGAGAGTGTGACTCAACGG 2818
Qy 3076 TGTGAATCAACATCCAGCTGCCCTCCCTCAGGAGTATCCAGGGGAGCAGTACA 3135
Db 2819 TGTGAATCAACATCCAGCTGCCCTCCCTCAGGAGTATCCAGGGGAGCAGTACA 2878
Qy 3136 CTAAACAGAGAGACAAATGAGCACTGTGCCCTTCCCTCCCGAGACCCATACACTCT 3195
Db 2879 CTAAACAGAGAGACAAATGAGCACTGTGCCCTTCCCTCCCGAGACCCATACACTCT 2938
Qy 3196 AATAGAGCAGTGAAGACTCAGAGTGGGCTGGGGCCACCAAGGAGTATGCCCTTCTC 3255
Db 2939 AATAGAGCAGTGAAGACTCAGAGTGGGCTGGGGCCACCAAGGAGTATGCCCTTCTC 2958
Qy 3256 CCTTCTGAGACACTGTATGTCCCTCTCTCTCTCTAGAGCCCTGTCG 3315
Db 2959 CCTTCTGAGACACTGTATGTCCCTCTCTCTCTCTAGAGCCCTGTCG 2972
Qy 3316 CCCACGAGCTGTCTGTGATGGAGATCCCTTCCACCTCTCTAGCATCCCTTGGGG 3375
Db 2973 CCCACGAGCTGTCTGTGATGGAGATCCCTTCCACCTCTCTAGCATCCCTTGGGG 3032
Qy 3376 AAGGTTGGGGAATATAGATAGACACTGAGACAGGCCATTTGAGACACTGGAGCCC 3435
Db 3033 AAGGTTGGGGAATATAGATAGACACTGAGACAGGCCATTTGAGACACTGGAGCCC 3092
Qy 3436 ACTGACAACTGATTTCTGTGAGAGTGTGCG -CCCACTTCTCTCTCCCTGTAC 3494
Db 3093 ACTGACAACTGATTTCTGTGAGAGTGTGCGCCGCCCACTCTCTCTCCCTGTAC 3152
Qy 3495 ACAGTGGACCCGAGCTGAGAAATCTGGGGGTGAGAGAGACAAAGAGAGAAATG 3554
Db 3153 ACAGTGGACCCGAGCTGAGAAATCTGGGGGTGAGAGAGACAAAGAGAGAAATG 3212
Qy 3555 TTTCTTGTGCTGCTCTGATGCTGTCTGAGTGTGGGCTTCTCTCCCTCAATCCT 3614
Db 3213 TTTCTTGTGCTGCTCTGATGCTGTCTGAGTGTGGGCTTCTCTCCCTCAATCCT 3272
Qy 3615 GAAACACTGGAAGCTGGGGGTAGCCGCCAGCCCTCAAGTACCCCACTTCCCACTG 3674
Db 3273 GAAACACTGGAAGCTGGGGGTAGCCGCCAGCCCTCAAGTACCCCACTTCCCACTG 3332
Qy 3675 CAGTGTGTACTGAAATTTCTTAAGCTTATAGCTTCTGTGAGTAAATATTTGGGAT 3734
Db 3333 CAGTGTGTACTGAAATTTCTTAAGCTTATAGCTTCTGTGAGTAAATATTTGGGAT 3392
Qy 3735 GGGGGGAAAGAGAGACAGGCCCATAGCTTGGGGGTGAGACTCTCTAGTGAAGTGC 3794
Db 3393 GGGGGGAAAGAGAGACAGGCCCATAGCTTGGGGGTGAGACTCTCTAGTGAAGTGC 3452
Qy 3795 CACATTTATTTTCTAATACCTTGGGGTTGTACATTTTGGGGGAGAGACACAGAT 3854
Db 3453 CACATTTATTTTCTAATACCTTGGGGTTGTACATTTTGGGGGAGAGACACAGAT 3512
Qy 3855 TTTTACACTAATATAGAGACTGAGTGAAGCAATTTTAAATCCCTCTACATAGGAGTA 3914
Db 3513 TTTTACACTAATATAGAGACTGAGTGAAGCAATTTTAAATCCCTCTACATAGGAGTA 3572
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QY 3915 ATATTAAGTTGAGTTTCCACAAAAA 3953
DB 3573 ATATTAAGTTGAGTTTCCACAAAAA 3611

RESULT 5

US-08-445-461-3
Sequence 3, Application US/08445461
Patent No. 6096527

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Path (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
CLASSIFICATION: 530
FILING DATE: 22-MAY-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-445-461-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTTGAAGAAATGCCAAGAGATGCGCCACCCCTTAGGCGCCGAGGATGAG 315
DB 17 GTTGACTTGAAGAAATGCCAAGAGATGCGCCACCCCTTAGGCGCCGAGGATGAG 76
QY 316 GAGCATGAGGACGAGGCGCGTGCATCTTACTGCTGCTGCTTGGTGGCAATGGAG 375
DB 77 GAGCATGAGGACGAGGCGCGTGCATCTTACTGCTGCTGCTTGGTGGCAATGGAG 136
QY 376 ATGCTGACATGAGGAGCATTTTGAATCCTGCAAGTGGCGGTATGCCCTGGGCAATGACG 435
DB 137 ATGCTGACATGAGGAGCATTTTGAATCCTGCAAGTGGCGGTATGCCCTGGGCAATGACG 196
QY 436 ACCGAGCATCCGACAGACAGTACATCTCTGCTTCCAGCTCCTGCTCAGATTCCACTGCGG 495

DB 197 ACCGAGCATCCGACAGACAGTACATCTCTGCTTCCAGCTCCTGCTCAGATTCCACTGCGG 256
QY 436 CCCGCGACAGCAGGTTGGAGACAGTACGAGGAGATGGGGCTGCTGCCCCGAGGCTGG 555
DB 257 CCCGCGACAGCAGGTTGGAGACAGTACGAGGAGATGGGGCTGCTGCCCCGAGGCTGG 316
QY 556 TGTTCCTCCAAAGAGAGAGAGTACTTGCAGGTGATCTACAAAGACTCCACCTGGTGGCTC 615
DB 317 TGTTCCTCCAAAGAGAGAGTACTTGCAGGTGATCTACAAAGACTCCACCTGGTGGCTC 376
QY 616 TGTGAGGACACCCAGGAGAGGATGCGGGGGGCTGGGCAAGAGATTTCTCCGAGACTAC 675
DB 377 TGTGAGGACACCCAGGAGAGGATGCGGGGGGCTGGGCAAGAGATTTCTCCGAGACTAC 436
QY 676 GGCTGCGTTACTCCCGGGGATGGTCCCGCTGGATGGCTGGAAGAGACCGCTGGGTCAAG 735
DB 437 GGCTGCGTTACTCCCGGGGATGGTCCCGCTGGATGGCTGGAAGAGACCGCTGGGTCAAG 496
QY 736 AGGTGATCTCAGGCAATGAGACACCTGAGAGAGTGTGTGAAGACCTTGGGCCCCCA 795
DB 497 AGGTGATCTCAGGCAATGAGACACCTGAGAGAGTGTGTGAAGACCTTGGGCCCCCA 556
QY 796 TGTGTCGCCGACTGCTGCTTCTACCCCGGGCTGACCGGGTCAATGACTGTCTGTTC 855
DB 557 TGTGTCGCCGACTGCTGCTTCTACCCCGGGCTGACCGGGTCAATGACTGTCTGTTC 616
QY 856 GGGTAGACTCTATAGGCTGCTGCTGAGAGGATGAGACTCTGTCTTACACCGCCCTGTGG 915
DB 617 GGGTAGACTCTATAGGCTGCTGCTGAGAGGATGAGACTCTGTCTTACACCGCCCTGTGG 676
QY 916 GCGACACATATATTTATCTGAGGCGGTGTACTCAAGCACTCCACTTGAAGGACATA 975
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QY 797 ATGACTTGAAGAAAGTACAGAGATGCGGGGTGTGGCCAGGCTATGATGAGATGGA 856
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QY 917 CTTTCAGGCTATGAGGCTCACTGTACACACATGACACCGCTGGAGCCGCTGTGCTG 976
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Db 1277 AGCTGAGGCCAGAGGCCAGACCCCGTGGCCAGAGCCGAGGGAGGCCGACCCGATCC 1336
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Db 1397 GCGGGCTGCACTGGGGGAGGCTCCCTCAGAAAGGCTGAAAGGCTGTTGAAAGAGAC 1456
QY 1696 TGACGGTTCACCTCTCTGCTGCTGGGAGACTATCTCATCAACACCGCCAGGCTCA 1755
Db 1457 TGACGGTTCACCTCTCTGCTGCTGGGAGACTATCTCATCAACACCGCCAGGCTCA 1516
QY 1756 GAGAGCCACCCCGTACAGAGAGCCCGGCTCTGAGGAAATCCGGCCCACTGCTCTCT 1815
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QY 1936 ACACCCAGGCTTACAGTGGGGGACTATATGAGGCTGAGAGGCTGAGGCGCCGCTTCTG 1995
Db 1697 ACACCCAGGCTTACAGTGGGGGACTATATGAGGCTGAGAGGCTGAGGCGCCGCTTCTG 1756
QY 1996 CCCCACCTCCCAAGAACAGCTCCCTCATATATGCGAGGCTGACATTTGTTACCTGACG 2055
Db 1757 CCCCACCTCCCAAGAACAGCTCCCTCATATATGCGAGGCTGACATTTGTTACCTGACG 1816
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QY 2116 GGGCCCCAGAGTGGATTTCCCTGATCTGCACTCCGCTTCAAGAGAAAGCTTGGCGAG 2175
Db 1877 GGGCCCCAGAGTGGATTTCCCTGATCTGCACTCCGCTTCAAGAGAAAGCTTGGCGAG 1936
QY 2176 GCGAGTTGGGGAGGTGCACTGTGTGAGGTGCAAGCCCTCAAGATCTGTGCTGCTG 2235
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Db 2099 TGAAGATCATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2158
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QY 2476 TCAATGGCCACACAGCTGAGAGAACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2535
Db 2219 TCAATGGCCACACAGCTGAGAGAACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2278
QY 2536 GCGAGGGGGCCACCATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2595
Db 2279 GCGAGGGGGCCACCATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2338
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QY 2656 TAGTGGGAGAAATTTACCATCAAAATGCGAGCTTGGCATGAGCCGGAACCTATAG 2715
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QY 2716 CTGGGAGCTATTACCGTGTGAGAGGCGGGGAGCTGCTGCTGCTGCTGCTGCTGCTG 2775
Db 2459 CTGGGAGCTATTACCGTGTGAGAGGCGGGGAGCTGCTGCTGCTGCTGCTGCTGCTG 2518
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Db 2759 AGCAGGACCCCTTTCCAGCTGCACTCGGCTTCTGCGAGAGGATGCACTCAACAGG 2818
QY 3076 TGTGATACACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3135
Db 2819 TGTGATACACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2878
QY 3136 CTAAGAACAGAGGACACATGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3195
Db 2879 CTAAGAACAGAGGACACATGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2938
QY 3196 AATAGAGGAGGAGACCTGCAAGTGGCTGGGCGCCACCCAGAGAGCTGATCCCTGCTG 3255
Db 2939 AATAGAGGAGGAGACCTGCAAGTGGCTGGGCGCCACCCAGAGAGCTGATCCCTGCTG 2958
QY 3256 CCGCTTCTGAGACACACTCATATGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTG 3315
Db 2959 CCGCTTCTGAGACACACTCATATGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTG 2972
QY 3316 CCCACCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3375
Db 2973 CCCACCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3032
QY 3376 AAGGTGGGAGAAATATAGATAGACACTGCACTGAGCCATTGGAGCACTGGGCGCC 3435
Db 3033 AAGGTGGGAGAAATATAGATAGACACTGCACTGAGCCATTGGAGCACTGGGCGCC 3092
QY 3436 ACTGGACCAACTGATTTCTGAGAGGAGGCTGCGC-CCCGAGCTTCTGCTGCTGCTGCTG 3494
Db 3093 ACTGGACCAACTGATTTCTGAGAGGAGGCTGCGC-CCCGAGCTTCTGCTGCTGCTGCTG 3152
QY 3495 ACACCTGACCCCACTGCTGAGAAATCTGGGGGTGAGGAGGAGGAGGAGGAGGAGGAGG 3554
Db 3153 ACACCTGACCCCACTGCTGAGAAATCTGGGGGTGAGGAGGAGGAGGAGGAGGAGGAGG 3212
QY 3555 TTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3614
Db 3213 TTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3272
QY 3615 GAAACACTGAGACTGGGGGTAGCCCGGAGGCTGAGCTGAGCCACCCCACTGCTGCTGCTG 3674
Db 3273 GAAACACTGAGACTGGGGGTAGCCCGGAGGCTGAGCTGAGCCACCCCACTGCTGCTGCTG 3332
QY 3675 CAGTCTGTAGCTAGAACTTCTGTAAGCTTATAGCTTCTGCTGAGGAGTAAATATGGGATT 3734
Db 3333 CAGTCTGTAGCTAGAACTTCTGTAAGCTTATAGCTTCTGCTGAGGAGTAAATATGGGATT 3392

QY 3735 GGGGGGAAAGAGGACCAAGCCCATAGCTTGGGGTTGGACATCTCTAGTACTGCG 3794
 Db 3393 GGGGGGAAAGAGGACCAAGCCCATAGCTTGGGGTTGGACATCTCTAGTACTGCG 3452
 QY 3795 CACATGATTTTCTAATTAATCACTTGGGGTTGGACATTTTGGGGGAGAGACAGAT 3854
 Db 3453 CACATGATTTTCTAATTAATCACTTGGGGTTGGACATTTTGGGGGAGAGACAGAT 3512
 QY 3855 TTTTACACTAATATATGACCTAGCTTGGAGCAATTTTATCCCTGCACTAGAGCAGTA 3914
 Db 3513 TTTTACACTAATATATGACCTAGCTTGGAGCAATTTTATCCCTGCACTAGAGCAGTA 3572
 QY 3915 ATATTAAGGTGAGTTTCCACAAAAA 3953
 Db 3573 ATATTAAGGTGAGTTTCCACAAAAA 3611

RESULT 6

US-08-445-640-7
 Sequence 7, Application US/08445640

GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J.
 APPLICANT: Mark, Melanie R.
 APPLICANT: Scadden, David T.
 APPLICANT: Baker, Kevin P.
 TITLE OF INVENTION: Protein Tyrosine Kinases
 NUMBER OF SEQUENCES: 35
 CORRESPONDENCE ADDRESS:

ADDRESSER: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.25 Inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/445,640
 FILING DATE: 22-MAY-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28, 616
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELETYPE: 910/371-7168
 INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
 LENGTH: 1197 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

US-08-445-640-7
 Query Match 30.1%; Score 1193.2; DB 1; Length 1197;
 Best Local Similarity 99.7%; Pred. No. 1.1e-271;
 Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGTGACATGAGGACATTTTATCTGCAAGTGCCTATGCGCCTGGCATGCG 434
 Db 1194 GATGTGACATGAGGACATTTTATCTGCAAGTGCCTATGCGCCTGGCATGCG 434

Db 1 GATGTGACATGAGGACATTTTATCTGCAAGTGCCTATGCGCCTGGCATGCG 60
 QY 435 GACCGGACCATCCACAGATGACATCTGCTTCCAGCTCCGCTGACATTCATGCG 494
 Db 61 GACCGGACCATCCACAGATGACATCTGCTTCCAGCTCCGCTGACATTCATGCG 120
 QY 495 GCGCGGACAGCAGTTGGAGAGCAGTGAACGAGGATGAGGCGCTGCGCGGAGGAGTGC 554
 Db 121 GCGCGGACAGCAGTTGGAGAGCAGTGAACGAGGATGAGGCGCTGCGCGGAGGAGTGC 180
 QY 555 GGTGTTCCTCCAGGAGAGAGTACTTGCAGGTGATCTACACAGTCCAGCTGTGGCT 614
 Db 181 GGTGTTCCTCCAGGAGAGAGTACTTGCAGGTGATCTACACAGTCCAGCTGTGGCT 240
 QY 615 CTGTGTGGACACCGAGGAGGAGTGCCTGCGGAGGAGGAGGAGGAGTTCCTCCGAGCTAC 674
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 QY 675 CGGCTGCTTACTCCCGGATGCTCGCGCTGATGGCTGAGAGACGCTGGGCTCAG 734
 Db 301 CGGCTGCTTACTCCCGGATGCTCGCGCTGATGGCTGAGAGACGCTGGGCTCAG 360
 QY 735 GAGGTGATCTCAGGACATGAGACCTGAGAGAGTGTGCTGAAGACCTTGGGCCCCC 794
 Db 361 GAGGTGATCTCAGGACATGAGACCTGAGAGAGTGTGCTGAAGACCTTGGGCCCCC 420
 QY 795 ATGTTGGCCGACTGCTTCTACCCCGGCTGACCGGCTCATAGTCTCTG 854
 Db 421 ATGTTGGCCGACTGCTTCTACCCCGGCTGACCGGCTCATAGTCTCTG 480
 QY 855 CGGCTGAGCTTATGCTGCTGCTGAGAGAGTGTGCTCTTACACCGGCTG 914
 Db 481 CGGCTGAGCTTATGCTGCTGCTGAGAGAGTGTGCTCTTACACCGGCTG 540
 QY 915 GGGCAGACATATATTATCTGAGGCTGTACTACAGCTCCAGCTATGAGAGAT 974
 Db 541 GGGCAGACATATATTATCTGAGGCTGTACTACAGCTCCAGCTATGAGAGAT 600
 QY 975 ACCGTGGGCGAGTGAATGAGGAGTGGGCTGAGGAGTGGAGTGGGAGGCTG 1034
 Db 601 ACCGTGGGCGAGTGAATGAGGAGTGGGCTGAGGAGTGGAGTGGGAGGCTG 660
 QY 1035 GATGACTTTGAGAGAGTGAAGAGTGGGCTGCGGCTGAGGCTATGATGAGGATG 1094
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 Db 721 AGCAACACACCTTCTCCAGTGTGCTATGAGATGAGATTTGATGACCGGCTGAG 780
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 Db 781 GCCTTCAGGCTATGAGGCTGACGTATGATGATGATGATGATGATGATGATGATGATG 840
 QY 1215 GGGGGGTGGAATGCTGCTTCCGCGTGGCTGCGCTGAGGCTGAGGAGGAGGAGT 1274
 Db 841 GGGGGGTGGAATGCTGCTTCCGCGTGGCTGCGCTGAGGCTGAGGAGGAGGAGT 900
 QY 1275 GCGCACAACCTGAGGAGGAGCACTGGGAGACCCAGACCCGAGGCTGTCTCACTGCTT 1334
 Db 901 GCGCACAACCTGAGGAGGAGCACTGGGAGACCCAGACCCGAGGCTGTCTCACTGCTT 960
 QY 1335 GCGGCGGTGAGTGTGCTTCTGAGTGGCTGCTTGGCGGAGGAGGAGGAGTATG 1394
 Db 961 GCGGCGGTGAGTGTGCTTCTGAGTGGCTGCTTGGCGGAGGAGGAGGAGTATG 1020
 QY 1395 TTCAGCGAATCTCTTCACTCTGATGTGTAACAATTCCTTCCGCACTGGAGAGC 1454
 Db 1021 TTCAGCGAATCTCTTCACTCTGATGTGTAACAATTCCTTCCGCACTGGAGAGC 1080
 QY 1455 ACCTTCCGCGAGCCGCTGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAG 1514
 Db 1081 ACCTTCCGCGAGCCGCTGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAG 1140

QY 1515 GAGCTGAGACCCAGAGGCGCAGACCCGCTGCGCCAAAGGCCGAGGAGGAGCCCGACCCG 1571
Db 1141 GAGCTGAGACCCAGAGGCGCAGACCCGCTGCGCCAAAGGCCGAGGAGGAGCCCGACCCG 1197

RESULT 7

US-08-170-558-7

Sequence 7, Application US/08170558
Patent No. 6001621

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Scadden, David T.

APPLICANT: Baker, Kevin P.

TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patlin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/170,558

FILING DATE: 20-DEC-1993

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/157563

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 854C1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/725-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 1197 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-170-558-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1.1e-271;
Matches 1197; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACATGAGGACATTTTGTGATCTGTCACAGTGGCGCTATGCGCTGGGATGAG 434
Db 1 GATGCTGACATGAGGACATTTTGTGATCTGTCACAGTGGCGCTATGCGCTGGGATGAG 60
QY 435 GAGCGGACATCCCAACAGTGCATCTGCTTCCAGCTCTGCTGTCAGATTCCAGTGGCC 494
Db 61 GAGCGGACATCCCAACAGTGCATCTGCTTCCAGCTCTGCTGTCAGATTCCAGTGGCC 120
QY 495 GCGCGCACAGAGTGTGAGAGCAGTGCAGCGGAGTGGCGCTGGTCCCGCCGAGGCTCG 554
Db 121 GCGCGCACAGAGTGTGAGAGCAGTGCAGCGGAGTGGCGCTGGTCCCGCCGAGGCTCG 180
QY 555 GTGTTTCCCAAGAGAGAGTACTTGCAGAGTGCATCTACAGACTCCAGCTGCTGGCT 614
Db 181 GTGTTTCCCAAGAGAGAGTACTTGCAGAGTGCATCTACAGACTCCAGCTGCTGGCT 240

QY 615 CTGTGGGACCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 674
Db 241 CTGTGGGAGACCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
QY 675 GCGCTGCTTACTCCCGGAGTGTGCGCCCTGATGATGATGATGATGATGATGATGATGATG 734
Db 301 GCGCTGCTTACTCCCGGAGTGTGCGCCCTGATGATGATGATGATGATGATGATGATGATG 360
QY 735 GAGGTGATCTCAGGCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 794
Db 361 GAGGTGATCTCAGGCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 420
QY 795 ATGTTGCGGAGTGTGCTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 854
Db 421 ATGTTGCGGAGTGTGCTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 480
QY 855 GCGGTAGAGCTTATGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 914
Db 481 GCGGTAGAGCTTATGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 540
QY 915 GGGGAGCAATGATTTATCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 974
Db 541 GGGGAGCAATGATTTATCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 600
QY 975 ACCGTGGGCGGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1034
Db 601 ACCGTGGGCGGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 660
QY 1035 GATGACTTTAGGAGAGTCAAGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAG 1094
Db 661 GATGACTTTAGGAGAGTCAAGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAG 720
QY 1095 AGCAACCAAGCTTCTCAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1154
Db 721 AGCAACCAAGCTTCTCAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 780
QY 1155 GCTTCCAGGCTATGAGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1214
Db 781 GCTTCCAGGCTATGAGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 840
QY 1215 GCGGCGGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1274
Db 841 GCGGCGGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 900
QY 1275 GCGGCAACCTAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1334
Db 901 GCGGCAACCTAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 960
QY 1335 GCGGCGGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1394
Db 961 GCGGCGGAGTGTGCTTCAACCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1020
QY 1395 TTCAGCAAACTCTCTCATCTGATGTGTGAACAATCTCTCTCTCTCTCTCTCTCTCTCTCT 1454
Db 1021 TTCAGCAAACTCTCTCATCTGATGTGTGAACAATCTCTCTCTCTCTCTCTCTCTCTCTCT 1080
QY 1455 ACCTTCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1514
Db 1081 ACCTTCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1140
QY 1515 GAGCTGAGACCCAGAGGCGCAGACCCGCTGCGCCAAAGGCCGAGGAGGAGCCCGACCCG 1571
Db 1141 GAGCTGAGACCCAGAGGCGCAGACCCGCTGCGCCAAAGGCCGAGGAGGAGCCCGACCCG 1197

RESULT 8

US-08-447-314-7

Sequence 7, Application US/08447314

Patent No. 6087144

GENERAL INFORMATION:

APPLICANT: Scadden, David T.

APPLICANT: Baker, Kevin P.

APPLICANT: Baron, Will F.

;; TITLE OF INVENTION: Protein Tyrosine Kinases
;; NUMBER OF SEQUENCES: 35
;; CORRESPONDENCE ADDRESSES:
;; ADDRESSEE: Genentech, Inc.
;; STREET: 460 Point San Bruno Blvd
;; CITY: South San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94080
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
;; OPERATING SYSTEM: IBM PC compatible
;; SOFTWARE: Patin (Genentech)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/447,314
;; FILING DATE: 22-MAY-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/170558
;; FILING DATE: 20-DEC-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/157563
;; FILING DATE: 23-NOV-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Haasek, Janet E.
;; REGISTRATION NUMBER: 28,616
;; REFERENCE/DOCKET NUMBER: 854CID2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415/225-1896
;; TELEFAX: 415/952-9881
;; TELEX: 910/371-7168
;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1197 bases
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; US-08-447-314-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1.1e-271;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACATGAAGGACATTTTGATCTGCCAAGTCCGCTATGCCCTGGGCATGACAG 434
Db 1 GATGCTGACATGAAGGACATTTTGATCTGCCAAGTCCGCTATGCCCTGGGCATGACAG 60
QY 435 GACCGGACATCCCAAGACATGATCTGCTTCCAGCTCTGCTGATTCACATGCC 494
Db 61 GACCGGACATCCCAAGACATGATCTGCTTCCAGCTCTGCTGATTCACATGCC 120
QY 495 GCCCGACACAGAGGTGAGAGCAGTGCAGGGGATGGGGCGTGGCCCCGACAGGTGC 554
Db 121 GCCCGACACAGAGGTGAGAGCAGTGCAGGGGATGGGGCGTGGCCCCGACAGGTGC 180
QY 555 GTGTTTCCCAAGAGAGAGTACTTGCAGAGTGGATCTTACACAGACTCCACTGTGGCT 614
Db 181 GTGTTTCCCAAGAGAGAGTACTTGCAGAGTGGATCTTACACAGACTCCACTGTGGCT 240
QY 615 CTGTGGGACACCAAGGACGCGATGCCGGGGGCTTGGGCAAGAGATTCTCCGAGACTAC 674
Db 241 CTGTGGGACACCAAGGACGCGATGCCGGGGGCTTGGGCAAGAGATTCTCCGAGACTAC 300
QY 675 CGGCTGGGTACTCCCGGATGTGCGCGCTGATGGGTGGAAGACCGCTGGGTGACG 734
Db 301 CGGCTGGGTACTCCCGGATGTGCGCGCTGATGGGTGGAAGACCGCTGGGTGACG 360
QY 735 GAGGTGATCTCAGGACATGAGAGACCTGAGAGAGTGGTGTGTAAGACCTTGGGCCCCC 794
Db 361 GAGGTGATCTCAGGACATGAGAGACCTGAGAGAGTGGTGTGTAAGACCTTGGGCCCCC 420
QY 795 ATGTGTGCCGATGTTGCTCTTACCCCGGGCTGACCGGGTCAATGATGTCTGTG 854

Db 421 ATGTTGCCCGAGATGTTGCTTACCCCGGGCTACCGGGGATGACAGCTGTGTCTG 480
QY 855 CGGTAAGACTCTATGCTGCTGCTTGCAGAGGATGAGTCTGTCTTACACCGCCCTGTG 914
Db 481 CGGTAAGACTCTATGCTGCTGCTTGCAGAGGATGAGTCTGTCTTACACCGCCCTGTG 540
QY 915 GGGCAGACATGATTTATGCTGAGAGCGGTGACTCAAGACCTCACCTATGAGGACAT 974
Db 541 GGGCAGACATGATTTATGCTGAGAGCGGTGACTCAAGACCTCACCTATGAGGACAT 600
QY 975 ACCGTGGGCGGACTGAGTATGGGGGCTGCGCCAGCTGGCAGATGTTGTGGGGCTG 1034
Db 601 ACCGTGGGCGGACTGAGTATGGGGGCTGCGCCAGCTGGCAGATGTTGTGGGGCTG 660
QY 1035 GATGACTTTGAGAGATCAGAGACTCGGGCTGCGCCAGCTGATGATGATGATG 1094
Db 661 GATGACTTTGAGAGATCAGAGACTCGGGCTGCGCCAGCTGATGATGATGATGATG 720
QY 1095 AGCAACACAGCTTCTCAGTGGCTATGAGATGAGATTTGAGTTGACCGGCTGAG 1154
Db 721 AGCAACACAGCTTCTCAGTGGCTATGAGATGAGATTTGAGTTGACCGGCTGAG 780
QY 1155 GCCTTCAGGCTATGACAGTGCATGTAACAATGACACAGCTGGAGCCGCTGCT 1214
Db 781 GCCTTCAGGCTATGACAGTGCATGTAACAATGACACAGCTGGAGCCGCTGCT 840
QY 1215 GCGGGGCTGAGATGCTGCTTCCGCGCTGCGCCCTGCTGATGCTGGAGGGGAGCCCATG 1274
Db 841 GCGGGGCTGAGATGCTGCTTCCGCGCTGCGCCCTGCTGATGCTGGAGGGGAGCCCATG 900
QY 1275 CGCCACACCTAGAGGGGCAACCTGGGGGAGCCCAAGCCCGGCTGTCTAGGCCCTT 1334
Db 901 CGCCACACCTAGAGGGGCAACCTGGGGGAGCCCAAGCCCGGCTGTCTAGGCCCTT 960
QY 1335 GCGGGGCTGAGTCTGCTTCCGCGCTGCGCCCTGCTGATGCTGGAGGGGAGCCCATG 1394
Db 961 GCGGGGCTGAGTCTGCTTCCGCGCTGCGCCCTGCTGATGCTGGAGGGGAGCCCATG 1020
QY 1395 TTGACGCAATCTCTTCATCTGATGATGATGATGATGATGATGATGATGATGATGATG 1454
Db 1021 TTGACGCAATCTCTTCATCTGATGATGATGATGATGATGATGATGATGATGATGATG 1080
QY 1455 ACCTTCCCGGACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1514
Db 1081 ACCTTCCCGGACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140
QY 1515 GAGCTGAGCCAGAGGCGCAGAGCCCGTGGCCAAAGGCGAGGGGAGAGCCGACCGCC 1571
Db 1141 GAGCTGAGCCAGAGGCGCAGAGCCCGTGGCCAAAGGCGAGGGGAGAGCCGACCGCC 1197

RESULT 9
US-08-445-461-7
; Sequence 7, Application US/08445461
; Patent No. 6096527
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk


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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: B54C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-461-7

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Query Match      30.18; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.78; Pred. No. 1,1e-271;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 375 GATGCTGACATGAAGGAGCAATTTGATCCCTGCGCAAGTCCCTATGCCCCGCGATGAG 434
DB 1 GATGCTGACATGAAGGAGCAATTTGATCCCTGCGCAAGTCCCTATGCCCCGCGATGAG 60
QY 435 GACCGGACATCCAGACAGTGAATCTGCTTCCAGCTCCTGATGATTCACATGCC 494
DB 61 GACCGGACATCCAGACAGTGAATCTGCTTCCAGCTCCTGATGATTCACATGCC 120
QY 495 GCGCGCCACACAGGTTGAGAGCAGTACGCGGGAGTGGGCGCTGGTCCCGCAGAGGTG 554
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QY 555 GTGTTTCCCAAGAGGAGGAGTACTGCTGAGTGGATTAACAACAGCTCCACTGTGGCT 614
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QY 615 CTGCTGGGACACCGAGGAGGAGTACCGCGGGCTGGGCAAGAGTCTCCCGGAGCTAC 674
DB 241 CTGCTGGGACACCGAGGAGGAGTACCGCGGGCTGGGCAAGAGTCTCCCGGAGCTAC 300
QY 675 CGGCTCGCTTACTCCCGGGATGCTCCCGCTGATGGGCTGGAAGACCGCTGGGCTAG 734
DB 301 CGGCTCGCTTACTCCCGGGATGCTCCCGCTGATGGGCTGGAAGACCGCTGGGCTAG 360
QY 735 GAGGTGATCTCAGGAGCAATGAGACCTGAGAGGAGTGTGCTGAAGACCTTGGGCCCC 794
DB 361 GAGGTGATCTCAGGAGCAATGAGACCTGAGAGGAGTGTGCTGAAGACCTTGGGCCCC 420
QY 795 ATGGTTGCCGAGTGTGCTTCTACCCCGGGCTGACCGGGTCAATGATGTGCTGCTG 854
DB 421 ATGGTTGCCGAGTGTGCTTCTACCCCGGGCTGACCGGGTCAATGATGTGCTGCTG 480
QY 855 CGGGTAGACCTTATGAGGCTCTGAGAGGAGTGAATCTGCTTACACCGCCCTGTG 914
DB 481 CGGGTAGACCTTATGAGGCTCTGAGAGGAGTGAATCTGCTTACACCGCCCTGTG 540
QY 915 GGGCAGACAATGATTTATCTAGAGCGCGTACTCAAGAGCTCCACTATGAGGAGCAT 974
DB 541 GGGCAGACAATGATTTATCTAGAGCGCGTACTCAAGAGCTCCACTATGAGGAGCAT 600

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QY 975 ACCGTGGGCGAGTGCAGTATGAGGGGTCTGCGCCACAGCTGCGAGATGTGTGGCGCTG 1034
DB 601 ACCGTGGGCGAGTGCAGTATGAGGGGTCTGCGCCACAGCTGCGAGATGTGTGGCGCTG 660
QY 1035 GATGACTTTAGAGAGAGTGCAGAGTGCAGGCTGTGAGGAGGCTATGATGTGGAGTGG 1094
DB 661 GATGACTTTAGAGAGAGTGCAGAGTGCAGGCTGTGAGGAGGCTATGATGTGGAGTGG 720
QY 1095 AGCAACACAGCTTCTCAGTGTGAGTGTGAGATGAGTGTGAGTGTGAGTGTGAGTGTG 1154
DB 721 AGCAACACAGCTTCTCAGTGTGAGTGTGAGATGAGTGTGAGTGTGAGTGTGAGTGTG 780
QY 1155 GCGTTCAGAGCTTATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 1214
DB 781 GCGTTCAGAGCTTATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 840
QY 1215 GCGGCGGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 1274
DB 841 GCGGCGGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 900
QY 1275 GCGCACAACCTTAGGAGGAGCACTGAGGAGACCCAGAGCCGAGGCTGTCTAGTGGCCCTT 1334
DB 901 GCGCACAACCTTAGGAGGAGCACTGAGGAGACCCAGAGCCGAGGCTGTCTAGTGGCCCTT 960
QY 1335 GCGGCGGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 1394
DB 961 GCGGCGGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 1020
QY 1395 TTCAGCGAATCTCCTTATCTGATGTGATGATGATGATGATGATGATGATGATGATG 1454
DB 1021 TTCAGCGAATCTCCTTATCTGATGTGATGATGATGATGATGATGATGATGATGATG 1080
QY 1455 ACCTTCCCGCAGCCCTGCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 1514
DB 1081 ACCTTCCCGCAGCCCTGCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 1140
QY 1515 GAGCTGAGAGCCAGAGGAGCAGACCCGCTGAGGAGGAGGAGGAGGAGGAGGAGGAG 1571
DB 1141 GAGCTGAGAGCCAGAGGAGCAGACCCGCTGAGGAGGAGGAGGAGGAGGAGGAGGAG 1197

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RESULT 10
US-08-336-343A-3
Sequence 3, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ulirsch, Axel
APPLICANT: Alves, Franke
TITLE OF INVENTION: CCR-2, A No. 5677144e1 Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Cornuzel, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864

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TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3157 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: unknown
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 370..2934
 US-08-336-343A-3

Query Match 16.2%; 'Score 642; DB 1; Length 3157;
 Best Local Similarity 56.5%; Pred No. 7.2e-142;
 Matches 1534; Conservative 0; Mismatches 973; Indels 207; Gaps 10;

349 TCTGTCTCTCTGTGGCAAGTGAAGATGCTGACATGAAAGGACATTTTGTCTGCCA 408
 395 TGTGTCTCTCTCTGTGGCAAGTGAAGATGCTGACATGAAAGGACATTTTGTCTGCCA 454
 409 ATGTGCGCTATGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCT 468
 455 TATGCGCTATGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCT 514
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 515 CCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 574
 529 ATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 585
 575 ATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 634
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 635 TTGATCTCAACAGCTCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 694
 646 GCTGCTCAACAGCTCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 705
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 826 GATGCTCAACAGCTCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 885
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1172 ACATGAGATCATGTTGATTTGACCCGATCAGGAATTTCACTACATGAGTGCAT 1231
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 1240 GTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1299
 1292 CTG---AGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1348
 1300 GGGACCCCAAGACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1359
 1349 TCAACCCCAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1408
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 1555 CAATGCTTAAAGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1594
 1600 TCTGCT 1659
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 1715 GTGATTTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1747
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 1748 CATCAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1794
 1840 TGTCTGCAATTCAGGCTACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1899
 1795 -----CCCTTGGCC 1804
 1900 CCGGCT 1959
 1805 CTGACTACAGAGCCATTCAGGCTGATACGAAATCTCCAGAAATTTCTCCTCAGGGGAGG 1864
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 1865 AGAGTCAAGGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1924
 2020 CCAATATGCGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2079
 1925 CCCACTATGCGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1984
 2080 CTGCT 2136
 1985 CAGTGGCT 2044
 2137 CTGATCTGAGCTCCGCTTCAAGAGAACTTGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2196
 2045 CCAGGAAGCTCTCAACTTCAAGAGAACTTGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2104
 2197 TGTGTGAGTGCACAGGCTTCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2256
 2105 TCTGTGAAGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2164

OY		2257	AAGGACACCCTTTGGTGTAGTGTCAGATCTTACGGCCAGTGGCCCAAGAATGCCA	2316
Db		2165	CCAACCAAGCCTGTCTGTGGCTGTGAATAAGCTCCGACAGATGCCAAACAAGATG---	2221
OY		2317	GCTTCTCCTTGTCTCCAGGAATATTCTCTGAAAAGAGAGTAGAATCATGTGCAGAGCTCA	2376
Db		2222	-----CAGGAATGATTTTCTTAAGGAATATAAGATCATGTGCTGGCTCA	2266
OY		2377	AGGACCCCAACATCATTTTCGGCGTCTGGCGGTGTGTGTGCAGAGAGACCCCCTGTGCATGA	2436
Db		2267	AGGACCCCAACATCATCTATATATGTGTGTGTATCATCATGATGACCCCTCTGTGATGA	2326
OY		2437	TTACTGATACATGGAGAAAGGGCGACCCCAACAGTTCCTCATGATGCCCCACAGCTGGAGG	2496
Db		2327	TCACTGAATACATGGAGAAATGAGATGTCCAATFCAATGATTTCTTCCCGCACAGCCCTTA	2386
OY		2497	ACAMGACACCGAGGGGGCCCCCTGGGGACGGGACAGCTGCACAGGGGCCCAACATCAGCT	2556
Db		2387	ATTCTTCTCTCAGGG-----AGTACGCACTGTCAATT	2419
OY		2557	AOCCAATCTCTCTGCATGTGCGACGCCAGATTCGCTCCGGCATCGCTATCTGGCCAAC	2616
Db		2420	ACACCAATCTAAGTTATGTGCTACCCAAATGGCTCTGGCATGAAGATCCTTCTCTTC	2479
OY		2617	TCAACTTTGTATACATGGGAGCTGGGCGACGGGGAATCGCTATGGTGGGAAAAATTTCACA	2676
Db		2480	TTAATTTTGTTCACCGAGATCTGGCCACACGAAACTGTTATGTGGTAAGAACAATCAAA	2539
OY		2677	TCAAATTCGACAGATTGTGGCATGAGCCGSAACCTCTATGCTGGGGACTATTACCGTGTGC	2736
Db		2540	TCAAGATATGCTGACTTTGGATGAGAGGAACCTGTACAGTGGTACTATTACCGATCC	2599
OY		2737	AGGGCCGGGGCAGTGTCTGCCATTCGCTGTGATGGCCTGGGAGTGCATCTCATGGGGAAGT	2796
Db		2600	AGGGCCGGGGCAGTGTCTGCCATTCGCTGTGATGGTGTGGGAGAGTATCTGTGGGGCAAGT	2659
OY		2797	TCACGACATGCGAGTGAAGTGTGGGCTTTGGTGTGACCTGTGGGAGTGTCTGATGCTCT	2856
Db		2660	TCATACAGCAAGTGAATGTGTGGGCCCTTTGGGGTACTTGTGGGAACATTTTCCACTTTT	2719
OY		2857	GTAAGGCCCAAGCCCTTGTGGGCAAGCTCACGACGACAGATCATCGAGAGACGGGGGAGT	2916
Db		2720	GTCAGAAGAACCCCTATTTCACAGCTGTACAGATGAACAGGTTATGAAATACATGAGAGT	2779
OY		2917	TCTTCCGGGACCAAGGGCCCGCAGGTGTACTGTCTCCGGCCGCTGTGCTGCCCGAGGGCC	2976
Db		2780	TCTTCCGAGACCAAGGAGGACGACTTACCTCCCTCAACAGCATTTGTCTGTACTCTG	2839
OY		2977	TATATGAGCTGATCTCTGGTGTGCGAGCCGGGAGTGTGAAGACGACCAACCCCTTTTCCC	3036
Db		2840	TGTATTAAGCTGATCTCAAGCTGCTGGAGAAAGATACGAAGAACCGTCTCATTTCCAG	2899
OY		3037	AGCTCATCGGTTCTT 3052	
Db		2900	AAATCCACCTTCTCT 2915	
 RESULT 11 US-08-336-343A-5/c Sequence 5, Application US/08336343A Patent No. 5677144 GENERAL INFORMATION: APPLICANT: Ulrich, Axel APPLICANT: Alves, Frauke TITLE OF INVENTION: CCK-2, A NO. 5677144el Receptor Tyrosine Kinase NUMBER OF SEQUENCES: 43 CORRESPONDENCE ADDRESS: ADDRESSEE: Pennie & Edmonds STREET: 1155 Avenue of the Americas CITY: New York STATE: New York COUNTRY: U.S.A.				

? ZIP: 10036-2711
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Patentin Release #1.0, Version #1.30
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/336,343A
 ? FILING DATE: 08-NOV-1994
 ? CLASSIFICATION: 435
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Cornuzi, Laura A.
 ? REGISTRATION NUMBER: 30,742
 ? REFERENCE/DOCKET NUMBER: 7663-065
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (212) 790-9090
 ? TELEFAX: (212) 869-9741/8864
 ? TELEX: 66141 PENNIE
 ? INFORMATION FOR SEQ ID NO: 5:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 3157 base pairs
 ? TYPE: nucleic acid
 ? STRANDEDNESS: double
 ? TOPOLOGY: unknown
 ? MOLECULE TYPE: cDNA
 ? HYPOTHEetical: NO
 ? ANTI-SENSE: NO
 ? US-08-336-343A-5

Query Match	16-2%	Score	64.2	DB 1	Length	3157
Best Local Similarity	56.5%	Pred.	No. 7,2e-143			
Matches 1534;	Conservative	0;	Mismatches	975;	Indels	207;
						Gaps
						10;
QY	349	TGCTGCTGCTCTTGGTGGCAAGTGGAGATGCTGCATCATGAAGGACATTTGATCCTGGCA	408			
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QY	409	AGTCCGCGTATGGCCTGGGAGATGAGACCGGACCATATCCGACAGCATCTTCTGCTT	468			
Db	2703	TATGCGGCTATCCCTCTGGGCAATGTCAGAGGACCGAGATTCGAGATGAGGACATCAACAGTT	2644			
QY	469	CCAGCTCTGTGTCAGATTCCATGCGCCGCCACAGCAGGTTGGAGAGCAGTGGCGGG	528			
Db	2643	CCAATCAGATGATCAGAGTCCACAGTCCCAATATGGAAGGCTGACACAGAAAGAGGG	258			
QY	529	ATGGGGCTGTGTGCCCCGACAGGTCGGTCTTCCCAAGA--GGAGGATCTTTCAGG	585			
Db	2583	ATGGAAGCTGTGTGCTCTGAGATTCCAGTGGACCTGATGACCTGAAAGAGTTTCTGACAGA	2524			
QY	586	TGATATCAACAGACTCCACTGTGTGGTCTGATGGGACACGAGGATGGGATGCGGGG	645			
Db	2523	TTGACTTGCACACCCCTCATTTTATCACTCTGGTGGGAGACCCAGGCGCCATCGAGAG	2466			
QY	646	GCTTGGGCAAGGATCTCTCCGGAGCTACCGGCTGCGTTACTCCCGGATGTGCGCCT	705			
Db	2463	GTCATGGCATTGCAATGATTTGGCCCCCATGTACAAAGATCAATTACAGTCGGGATGGAATGCGCT	24004			
QY	706	GGATGGGCTGGAAGGACCGCGTGGGCTCAGAGGTGATCTCAGGCAATGAGACCTGAGG	765			
Db	2403	GGATCTCTTGGCGGAACCGTCATGGGAACAGGTGCTGATGAGAAATGTAAACCCCTATG	23444			
QY	766	GAGTGTGTGTAAGGACCTTGGGGCCCCCATGATGTGCCGACTGATTCGCTTCAACCCC	825			
Db	2343	ACATTTTCCCAAAGGACTTGGAGCGGCCCATTTGACCCAGATTTGTCCGGTTCAATCCAG	2284			
QY	826	GGGCTGACCGGGTCATGATGTCTGTCTGCGGGGTAGACCTATAGCTGCTCTGAGGG	885			
Db	2283	TCACCGCACCTCCATGAAATGTGTATGTAGAGGAGGAGCTTACCGCTGTGTCTGGCTAG	2224			
QY	886	ATGAGACCCGCTTACACGCGCCCTGTGGGGGAGACAATGTATTATCTGAGG-----	939			
Db	2223	ATGGCTTGTGTCTTACAAATGCTTCCACTGGGACGACGTTTGTACTCCCTGGAGATTCCA	2164			

QY	940	CCGTGACCTCAACAGACACCCACCTATGAGAGGACATACCGGTGGGGAGTGCAGTTGGGG	999
Db	2163	TCATTATCTGAATATTTCTGTCTTATGATGAGGCTGTTGGATACGATACGACAGAGG-	2105
QY	1000	GTCTGGCCAGCTGCGACAGATGGTGTGGGGGCGGATGACTTTAGAAAGTCAAGAC	1053
Db	2104	-CTAGGGCAATATGACCGATGGTGTGTGTGGCGCTGGAGATTTTACCCAGACCCATGAT	204
QY	1060	TECGGGTCTGGCCAGGCTATGACTATGTGGATGGAGCAACACAGCTTCTCCAGTGCT	1115
Db	2046	ACCAAGTGTGGCCCGGCTATGACTATGTGGGCTGGCGGAGAGAGTGCACCAATGGCT	1987
QY	1120	ATGTGAGATGAGTTGAGTTGACCGGGCTGAGGGCCCTCCAGGCTATGACAGTCCACT	1179
Db	1986	ACATTGAAATCATGTTGTAATTTGACCCCATCAGGAATTTACTACATGAAAGTCCACT	1927
QY	1180	GTAAACATGACACAGCTGGAGGCGGCTGTGCGCGGGGGTGAATGTGCTCCGAG	1239
Db	1926	GCAACACATGTTTCTTAAAGGTGTGAAGATCTTTAAGAGGTACAGTGTACTTCGGCT	1867
QY	1240	GTGGCCCTGCCAATGGCCTGGGAGGGGGAGCCCATGCGCACACCTAGGGGGCAACTGG	1299
Db	1866	CTG---AAGCCAGTGAAGTGGGAACCTATGCAATTTCTTCCCTTCTCTGATGACG	1810
QY	1300	GGGACCCCAAGCCCGGGCTGTCTCAGTGGCCCTTGGGGGCGGTGTGGCTGGCTTTCG	1355
Db	1809	TCAACCCCAAGCTCGGGTTTTCACGGGCTCTTCACACCAAGTAAGCCAGTGCACCA	1750
QY	1360	AGTCCGCTCTCTTTTCGGGGGCGCGGTACTCTTCAGCGAAATCTCTTCATCTGTG	1419
Db	1749	AGTGTCAATACATTTTGCACATACCTGGATGATGATGTTCAGTACATCTTCCATAG	1690
QY	1420	ATGTGTGAACAATTCCTCTCCGGCACTGGGAGGACCTTCCCGGACCCCTGTGTGGC	1479
Db	1689	ATGTGTCAATGTACACACACTCTGAAAGCCCTGCACCACTCTCC-----	1647
QY	1480	CGCGTGGGCCACCTCCACCAACTTCAGACACTTGGAGCTGGAGCCCAAGAGCCAGCAGC	1538
Db	1646	-----TATGGACACCAACATGATGTG	1624
QY	1540	CCGTGGCCCAAGCCGAGGGAGACCCGACCCGATCTCTCATGCGCTGTGGGCATCA	1599
Db	1623	CAATGCTTAAAGTTGATGTACAGCAACACTCGGATCTGATGTGGCTGTGGTGCATCA	1564
QY	1600	TCCTGCTCTCTCTCTCATCTATGACCCCTCATGCTTGGCGGCTGCACCTGCGCAGGCTCC	1659
Db	1563	TCTTTATCTCTCTGGCCATCATGTGCATCATCTCTGGAGGCAAGTCTGGCAGAAATATGC	1504
QY	1660	TCACCAAGGCTGAACGAGAGGCTGTTGGAAGAAGAGCTGACGGTTCACTCTCTGCTGTG	1719
Db	1503	TGGAAAGAGGCTTCTCGGAGGATGTGTGATGTGAATGATACAGTCAAGCTTTCCTGTGCCAA	1444
QY	1720	GGGACACTATCTCTATCAACAACCGCCAGGTCTCTAGAGAGCCACCCCGTACAGAGAGC	1779
Db	1443	GTGATTTCTAGATGTTCACAAAT-----AACGCTCT	1411
QY	1780	CCGGGCTCTGTGGGAATCCGGCCCACTCCGCTCCCTGTGTCCCAATGGCTGTGCTGTGC	1839
Db	1410	CATCACTAGTGAACAAGGGTCAACATCGACTTACGATTCGATCTTT-----	1364
QY	1840	TGCTCTCCAAATCCAGCTACCGGCTCTCTTGTGGCACTTACGCCCTGCCCTGTGAGGCC	1899
Db	1363	-----CCCTTGTGCG	1354
QY	1900	CGGGCCCCCAACCCGCGCTGGGGCAAAACCAACCAACCCAGGCTTACAGTGGGAGCT	1959
Db	1353	CTGACTACAGAGAGCCATCCAGGCTGATACGAAATCTCCAGATTTGCTCCAGGGAGG	1294
QY	1960	ATATGAGCCTGAAGACCCAGGCGCCCGCTTCTGCCCCCACTCCCCAGAAACAGCTCC	2019
Db	1293	AGGAGTCAAGGCTGCAAGGGGTGTGTGAAGGCAAGTCCAGCCCAAGTGGCCCTGAGGGGTGC	1234
QY	2020	CCCAATTATGCCGAGGCTGACATTTGTATACCTTCGACGGCGTTCACGGGGGCAACCACTATG	2079

Db	1233	CCACCTATTGACAGAGGCTGTACATAGTGAACCTTCCAAAGGAGTACAGAGGACCAACATACT	1174
Qy	2080	CTGTGCTCTGCACTGTGCCCCAGGGGCAATC-----GGGGAATGGGCCCCCAGAGTATTCC	2136
Db	1173	CAGTGCCTGGCGGTACACATAGAACCTGCTCTCAGGAAAGATGTGGCTGTGGAGAGTTCC	1114
Qy	2137	CTCGATCTGAGTCCGCTTCAAGAGAACTTGGCCAGGGCCAGTTTGGGAGGTGCAC	2196
Db	1113	CCAGGAAACTCTTAATCTTCAAAAGGAAGCTGGGAGAGACAGTTTGGGAGGTTATC	1054
Qy	2197	TGTGAGAGTGGACAGCCCTCAAGATCTGGTCAAGTCTGATTTCCTTATGTGGCTA	2256
Db	1053	TCTGGAAGTGGAGGGAATGGAAAAATTCAAGACAAAGATTGGCTCTAGATGTCACTG	994
Qy	2257	AGGGAACCCCTTGGCTGTAGCTGTCAAGATCTTACGGCCAGATGGCCACAAAGATGCCA	2316
Db	993	CCAAACCAAGCTGTCTGTGGTGGTGTGAAGATGTCCGAGCAGATGCCAACAAAGATG---	937
Qy	2317	GCTTCTCCTTGTGTCCAGGAATGATTTTCCGAAAGAGCTGAAGATCATGTGCAAGCTCA	2376
Db	936	-----CCAGAAATGATTTTCTTAAAGGAATTAAGATCATGTCTCGGCTCA	892
Qy	2377	AGGACCCCAACATCATTTGGGTGCGTGGGCGTGTGTGTGTCAGAGAGACCCCTGTGCATGA	2436
Db	891	AGGACCCCAACATCATCTATTTATTTGTGTGTATCATGTATGACCTCTGTGTATGA	832
Qy	2437	TTACTGACTAGATGAGAGAGGCGACCTCAACAGTTTCTCATGTGCCCAACAGTGTGAG	2496
Db	831	TCACTGATATACATGAGAAATGAGAAATTCATTAAGTTTCTTCCGCGCAGAGGCCCTTA	772
Qy	2497	ACAAGGACCGGAGGGGGCCCCGTGGGAGCGGGCAGAGCTGCCAGAGGGCCCAATCACT	2556
Db	771	ATTCTCTCTCAGGC-----AGTAGACACTGTCTCACTT	739
Qy	2557	ACCACATGCTCTGTGATGTGCAAGCCAGATACGCTCCGGCATGGCATATGTGGCCACAC	2616
Db	738	ACACCAATCTGAAGTTTATGGCTACCCAAATGGCTCTGCGCATGAAGTACTTTTCTCTC	679
Qy	2617	TCAACTTTGTACATCGGGAGCTGGCCACGCGGAACCTGCTAGTTGGGAAAAATTTCACA	2676
Db	678	TTAATTTTGTTCACCCGAGATCTGGCCACACAAACTGTTAGTGGGTAAAGATACACAA	619
Qy	2677	TCAAAATGCGAGACTTTGGCATGAGCCGGAACCTCTAAGCTGGGGGACATTAACCTGTGC	2736
Db	618	TCAGAAATGCTGACTTTGGAAATGAGCAAGAACCTGTACAGGGTGAATTAACCGGATCC	559
Qy	2737	AGGCGCGGGCAGTGTGCTGCCATCGGCTGAGTGGCTGGAGTGTGATCCTCATGGGGAAGT	2796
Db	558	AGGCGCGGGCAGTGTGCTGCCATCGGCTGAGTGGCTGGAGTGTGATCCTCATGGGGAAGT	499
Qy	2797	TCACGACTGCGAGTACGTGTGGGCTTTGTTGTGACCTGTGGAGAGTGTGATGCT	2856
Db	498	TCACATACAGCAAGATGTGTGGGCTTTGGGTTACTTTGTGGAGACTTTCACCTTTT	439
Qy	2857	GTAAGGCCCAACCTTTGGGAGAGTCACCCGACGAGCAAGTCAATGAAACCGCGGGAGT	2916
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Qy	2917	TCTTCCGGGACAGAGGCGCGGAGGTATACCTGTCCCGGCCGCTGTGCGCGGAGGGC	2976
Db	378	TCTTCCGGGACCAAGGAGGAGCAAGATTAACCTCCCTCAACCAAGCATTTGTTCGACCTG	319
Qy	2977	TATATGAGCTATGCTTGGTGTGCTGTGAGACCGGAGTGTGACACGACACACCTTTTCC	3036
Db	318	TGTATTAAGCTATGCTCAAGCTGTGGAGAAAGATATAGAAACACCTGCTCATTTCCAA	259
Qy	3037	AGCTGACGCGTTTCCCT	3052
Db	258	AAATCCACCTTCTGCT	243

RESULT 12

US-08-456-647B-19
Sequence 19, Application US/08456647B
Patent No. 5811516
GENERAL INFORMATION:
APPLICANT: Lemke Ph.D. et al., Greg E.
TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,647B
FILING DATE: 02-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/237,401
FILING DATE: 02-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/884,486
FILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07251/007002
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 3120 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
IMMEDIATE SOURCE:
CLONE: Tyro-10
FEATURE:
NAME/KEY: CDS
LOCATION: 485..3047
US-08-456-647B-19
Query Match 16.1%; Score 639.8; DB 1; Length 3120;
Best Local Similarity 56.5%; Pred. No. 2.4e-141;
Matches 1552; Conservative 0; Mismatches 987; Indels 210; Gaps 11;

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809 GGTCTGGCATGTAATTTGGACACCCATGTAAGATCACTCACTCGGAGGCAAGTCGC 868
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1109 ATCATTTATCTGAATGATTTCTGTATGATGAGACTGTGGGTACACATGACTGAAGG 1168
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1169 --CTAGGCCAGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1225
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1709 ATCTTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1768
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QY 2556 TACCAATGCTGTCTCATGTGTGCAGACCAGATTCGGCCTTACTCTTGCCACA 2615

Db 2551 TAGCGCAACCTGAAGTTATTATGGCAACCCAGATGCTGTGTATAGAACTACTTTCGTCT 2390

QY 2616 CTCAACTTGTACATCGGGACCTGGCCACGCCGGAACCTCTATGTGGGAAAATTTTCACC 2675

Db 2591 CTCACACTTGTTCACACGAGATCTGGCCACAGAAACTGTATTAGTAGGCAACAATATTACACC 2650

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Db 2651 ATCAAGATAGCTGATTTTTGGCATGAGCAAGAAACCTGTACAGTGGTGATTAACCGGATC 2710

QY 2736 CAGGCGCGGGAGTGTCCGCTCCCATCCGCTGAGTGGGCTGGGAGTGCATCCATCGTAGGAGAG 2795

Db 2711 CAGGCGCGGGGGGGGTCTCCGATTTCGCTGGATGTCTGGGAAACATCTTCTGTGGCAAA 2770

QY 2796 TTCAACGACTGCGAAGTGAAGCTGTGGGCCCTTTGTGTGACCTCTGTGGAGAGTCTGATGCTC 2855

Db 2771 TTCACACAGCGAAGTGAAGTGTGTGGGCCCTTTGTGGGTGAAGTCTGTGGAGAACCTTACCTTT 2830

QY 2856 TGTAGGGCGCCACGCCCTTTGGGCACTCACCGACAGACAGTCAATCGAGAAACGCGGGGAG 2915

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QY 2916 TTCTTCCGGAGCAGGGGCGCGGAGTGAAGCTGTCCCGGGCGCGCTGCTGCCCCCAGAGC 2975

Db 2891 TTCTTCCGAGACCAAGGAGGACAAATCTATCTCCCTAACACAGCCTTTGCCCGACTCT 2950

QY 2976 CTATATGAGCTGATGCTTCGCTGCTGTGGAGCGCGGAGTCTGAGCAGCACACACCTTTTCC 3035

Db 2951 GTGTATTAAGCTGATGTGTGACGTGCTGTGGAGAAAGAAACAAACAGCAGCGGCATCTTTCAG 3010

QY 3036 CAGCTGCAATGCGTTCCTTGGGCAAGAGATGCACTCAACAGGTGTGATCA 3084

Db 3011 GAAATACACCTCTGCTCTTCTTACAGCAAGAGCCGAGTGAATGATCACTCA 3059

RESULT 14
US-08-286-305A-4
Sequence 4, Application US/08286305A
Patent No. 5766863
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Sadick, Michael D.
APPLICANT: Shelton, David L.
APPLICANT: Wong, Wei Lee Tan
TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: palin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/286,305A
FILING DATE: 05-AUG-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:

```

NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 85/C1P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2820 bases
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-286-305A-4

Query Match 4.6% Score 182.2 DB 1 Length 2820;
Best Local Similarity 59.9% Pred. No. 1.5e-33;
Matches 348; Conservative 0; Mismatches 218; Indels 15; Gaps 2;

2322 TCCTTGTTCTCCAGAGATGATTTCTCCGTAAGAGTGAATCATGTGAGGCTCAAGAGC 2381
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2382 CCCAACATCATTTGGCTGCTGGCGCTGTGTGTCAGAGACGACCCCTCTGCATGATTACT 2441
2054 CAGCCACATCGTCGGCTTCTTCTGGCGTGTGACACCGAGGGCCGCCCTCGTCATGTGTTT 2113
2442 GACTCATGAGAAACGGGAGCTCTCAACCATGTTCTCACTGCCCACAGCTGAGAGACAG 2501
2114 GAGTTATAGCGGACGGGAGCTTCAACCGCTTCTCCGATCCCATGACACCTGATGCCAA- 2172
2502 GCAGCCGAGGGGCGCCCTGTGGGAGCGAGCGCTCCGACGAGGGGCCACCATCAGCTACCCA 2561
2173 -----GCTGCTGGCTGTGTGGGAGGATGTGGTCCAGGCCCTCGTGGTCTGGG 2221
2552 ATGCTGCTGCATGTGGCAGACCCAGATCGCTCCGGCATGCGCTATTGGCCACATCAAC 2621
2222 CAGCTGTGGCGCGGTGGCTAGCCAGAGTGTGCTCGGCGGATGTGTACTCGGCGGCTGCAT 2281
2622 TTGTGACTGTGGGAGCTGGCCAGCGGGAATGCTAGTGTGGGAAATTTACACATCAAA 2681
2282 TTGTGGACCGCGGACCTGGCCACACGCACTGTCTATGTGGGCCAGGAGACTGTGTGTAAG 2341
2682 ATCGCAGACTTTGGCATATGAGCCGGAACCTCTATGCTGGGACTATTAACCTGTGTCAAGGC 2741
2342 ATTGTGATTTTGGCATATGAGCAGGAGATATCTACAGCACCCGACTATTAACCGTGTGGAGGC 2401
2742 CGGGGAGTGGCCCATATCCGTGTGATGGCCCTGGGAGATGACATCCATGAGGGGAAGTTACG 2801
2802 ACTCGAGATGACGTGTGGGCTTTGTGTGTGACCTGTGTGGAGAGTGTGATGCTGTGTAGG 2861
2462 ACCGAGAGCGCAGTGTGAGCTTGGGGTGTGGTGTGGGAGATCTACACTACGAGCAAG 2521
2862 GCCCAGCCCTTTGGGCAAGCTCACCGCAGAGCAGGTATCCA 2902
2522 ---CAGCCCTGTGATCAGACTCTCCACACGAGAGCAATCGA 2559

RESULT 15
US-08-441-104A-4
Sequence 4, Application US/08441104A
Patent No. 5891650
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TITLE OF INVENTION: KIMASE RECEPTOR ACTIVATION ASSAY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:

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